STR-DE335/SE391/V323

SERVICE MANUAL

US Model
STR-DE335/SE391
Canadian Model
AEP Model
E Model
Australian Model
STR-DE335
Chinese Model
STR-V323

Photo: STR-DE335 US model

SPECIFICATIONS

Audio power specifications (US model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 8-ohm load, both channels driven, from 20[a] – 20,000 Hz, rated 100 watts per channel minimum RMS power, with no more than 0.09 %[b] total harmonic distortion from 250 milliwatts to rated output.
STR-SE391:
a) 40Hz
b) 0.5 %

Amplifier section

Power output

Stereo mode

STR-DE335/V323
US, Canadian models:
(8 ohms at 20 Hz – 20 kHz less than 0.09 % total harmonic distortion)
100 W + 100 W
AEP model:
(DIN 1 kHz, 4 ohms)
80 W + 80 W
Malaysia, Singapore, Chinese, Australian models:
Rated power:
(8 ohms at 1 kHz, THD 0.7 %)
80 W + 80 W
Reference power:
(8 ohms at 20 Hz – 20 kHz, less than 0.09 % total harmonic distortion)
70 W + 70 W
E model:
Rated power: (8 ohms at 1kHz, THD 0.7 %)
100 W + 100 W
Reference power:
(8 ohms at 20 Hz – 20 kHz, less than 0.09 % total harmonic distortion)
95 W + 95 W

STR-SE391
(8 ohms at 40 Hz – 20 kHz, less than 0.5 % total harmonic distortion)
100 W + 100 W

Surround mode and 5.1 CH/DVD mode (Reference)

STR-DE335/V323
US, Canadian models:
(8 ohms at 1 kHz, THD 0.8%)
Front: 80 W/ch
Center: (Pro Logic mode) 80 W
Rear: 80 W/ch
AEP model:
(DIN 1 kHz, 4 ohms)
Front: 70 W/ch
Center: 70 W
(only in PRO LOGIC mode)
Rear: 70 W/ch
E, Malaysia, Singapore, Chinese, Australian models:
Rated power: (8 ohms at 1 kHz, THD 0.7 %)
Front: 80 W/ch
Center: (Pro Logic mode) 80 W
Rear: 80 W/ch

STR-SE391
(8 ohms at 1 kHz, THD 0.5 %)
Front: 80 W/ch
Center: (Pro Logic mode) 80 W
Rear: 80 W/ch
Reference power:
(8 ohms 20 Hz – 20 kHz, less than 0.09 % total harmonic distortion)
Front: 70 W/ch
Center: (Pro Logic mode) 70 W
Rear: 70 W/ch
RMS power:
(8 ohms at 1 kHz, THD 10 %)
Front: 100 W/ch
Center: (Pro Logic mode) 100 W
Rear: 100 W/ch

Frequency response

PHONO: RIAA equalization curve ±0.5 dB (STR-SE391)
TV/SAT (TV/LD), CD, MD/TAPE, VIDEO
5.1 CH/DVD:
10 Hz – 50 kHz ± 1 dB

– Continued on next page –

FM STEREO/FM-AM RECEIVER

MICROFILM

SONY®

Inputs

	Sensitivity	Impedance	S/N
PHONO (STR-SE391)	4 mV	50 kilohms	70 dB
CD, 5.1 CH/ DVD, MD/TAPE, TV/SAT, (TV/LD) VIDEO	150 mV (AEP model) 250 mV (EXCEPT AEP models)	50 kilohms	80 dB

Outputs
MD/TAPE REC OUT:
Voltage: 150 mV, (US, AEP models)
Voltage: 250 mV, (Canadian, E, Malaysia, Singapore, Australian and Chinese models)
Impedance: 10 kilohms
VIDEO AUDIO OUT:
Voltage: 150 mV, (US, AEP models)
Voltage: 250 mV, (Canadian, E, Malaysia Singapore, Australian and Chinese models)
Impedance: 10 kilohms
WOOFER:
Voltage: 2V
Impedance: 1 kilohms
PHONES: Accepts low and high impedance headphones

Muting: Full mute
BASS BOOST: + 10 dB at 70 Hz
TONE: ± 8 dB at 100 Hz and 10 kHz

Tuner Section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range: 87.5 – 108.0 MHz
Antenna terminals: 75 ohms, unbalanced
Intermediate frequency: 10.7 MHz
Sensitivity:
Mono: 18.3 dBf, 2.2 µV/75 ohms
Stereo: 38.3 dBf, 22.5 µV/75 ohms
(AEP model)
Mono: 18.3 dBf, 4.5 µV
Stereo: 38.3 dBf, 45 µV
(EXCEPT AEP models)
Usable sensitivity:
11.2 dBf, 2 µV (IHF) (US model)
11.2 dBf, 1 µV/75 ohms (IHF)
(AEP model)
11.2 dBf, 1 µV (IHF)
(EXCEPT US, AEP models)
S/N:
Mono: 76 dB
Stereo: 70 dB
Harmonic distortion at 1 kHz:
Mono: 0.3 %
Stereo: 0.5 %
Separation: 45 dB at 1kHz
Frequency response: 30 Hz – 15 kHz $^{+0.5}_{-2}$ dB
Selectivity: 60 dB at 400 kHz

AM tuner section

Tuning range:
AEP, Malaysia, Singapore, Australian and Chinese model:
531 – 1602 kHz (9 kHz step)
US model:
530 – 1710 kHz (10kHz step)**
531 – 1710 kHz (9 kHz step)
Canadian, E models:
530 – 1610 kHz (10kHz step)**
531 – 1602 kHz (9 kHz step)
Antenna: Loop antenna
Intermediate frequency: 450 kHz
Usable sensitivity:
50 dB/m (at 1,000kHz or 999 kHz) (US model)
50 dB/m (at 999 kHz) (EXCEPT US models)
S/N: 54 dB (at 50 mV/m)
Harmonic distortion: 0.5 % (50 mV/m, 400Hz)
Selectivity:
At 9 kHz: 35 dB
At 10 kHz: 40 dB

** You can change the AM tuning interval between 9 kHz and 10 kHz. Turn off the receiver and press I/⏻ (power) for more than 4 seconds until "INITIAL" appears.
1) After tuning in any AM station, turn off the receiver.
2) Hold down PRESET TUNING + button and press the I/⏻ (power) button. "9k STEP" appears.

To change to 10k Step, repeat step 1 and 2 until "10k STEP" appears. Note that all preset stations, index names and sound field are cleared after you make the procedure above.

Video section (STR-DE335/V323)

Inputs: VIDEO, TV/SAT (TV/LD), 5.1 CH/DVD:
1 Vp-p 75 ohms
Output: VIDEO, MONITOR:
1 Vp-p 75 ohms

General

System:
Tuner section:
PLL quartz-locked digital synthesizer system
Preamplifier section:
Low-noise NF type equalizer
Power amplifier section:
Pure-complementary SEPP
Power requirements:
US, Canadian models:
120 V AC, 60 Hz
Australian model:
240 V AC, 50 Hz
AEP, Malaysia, Singapore and Chinese models:
230 V AC, 50/60 Hz
E model
120/220/240 V AC, 50/60 Hz
Power consumption:
US model: 230 W
Canadian model:
325 VA
AEP model: 225 W
Malaysia, Singapore and Australian and Chinese models:
235 W
E model
245 W

AC outlets:
STR-DE335
US, Canadian models:
1 switched, 120 W/1A max
STR-DE335
AEP, E, Malaysia, Singapore, Australian models:
STR-V323
1 switched, 100 W max
STR-SE391
2 switched, total 120 W/1A max
Dimensions: 430 × 144 × 306 mm
Mass (Approx.):
STR-DE335: US model
8.7 kg
STR-DE335: AEP model
7.7 kg
EXCEPT DE335: US, AEP models
8.8 kg
Supplied accessories:
FM wire antenna (1)
AM loop antenna (1)
Remote commander (remote) (1)
Size AA (R6) batteries (2)

The specification measured is under
- 230 AC, 50Hz condition (AEP, Malaysia, Singapore and Chinese models)
- 240 AC, 50Hz condition (Australian model)

Design and specifications are subject to change without notice.

TABLE OF CONTENTS

1. SERVICING NOTES 4

2. GENERAL 5

3. DISASSEMBLY 7

4. TEST MODE 9

5. DIAGRAMS

5-1. Block Diagram – MAIN Section (1/2) – 11
5-2. Block Diagram – MAIN Section (2/2) – 13
5-3. Block Diagram – DISPLAY/ POWER SUPPLY Section – 15
5-4. Note for Printed Wiring Boards and Schematic Diagrams 17
5-5. Printed Wiring Board – MAIN Board – 21
5-6. Printed Wiring Boards – REAR AMP Board/ SP SW Board/SECONDARY Board/ STANDBY Board/PRIMARY Board/ VOL SEL Board – 23
5-7. Schematic Diagram – MAIN Board (1/4)/ REAR AMP Board – 25
5-8. Schematic Diagram – MAIN Board (2/4)/ SP SW Board – 27
5-9. Schematic Diagram – MAIN Board (3/4) – 29
5-10. Schematic Diagram – MAIN Board (4/4)/ SECONDARY Board /STANDBY board/ PRIMARY Baord/VOL SEL Board– 31
5-11. Printed Wiring Board – PANEL Section – 33
5-12. Schematic Diagram – PANEL Section – 35
5-13. Printed Wiring Boards – VOLUME Board/ TONE Board/VIDEO Board/PHONO Board – 37
5-14. Schematic Diagram – VOLUME Board/ TONE Board/VIDEO Board/PHONO Board – 39
5-15. IC Pin Function Description 44

6. EXPLODED VIEWS 46

7. ELECTRICAL PARTS LIST 50

与安全有关的零部件须知

在原理图上用阴影及 ⚠ 标记来识别的零部件在安全操作上是具有关键性的。这些零部件要用本手册中所示的部件号对应的索尼零部件进行更换。

在安全操作上具有关键性的电路调整与索尼公司出版的维修手册完全一致。在更换关键零部件时或怀疑动作失常时，请进行这些调整操作。

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

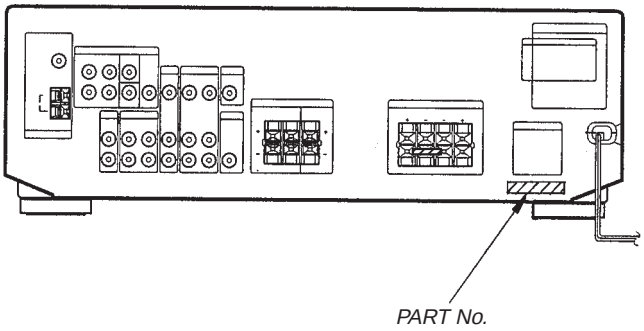
ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1
SERVICING NOTES

MODEL IDENTIFICATION

– Rear view –



MODEL	PART No.
DE 335: US model	4-218-844-0
DE 335: Canadian model	4-218-844-1
DE 335: Australian model	4-218-844-2
DE 335: Malaysia, Singapore models	4-218-844-3
V 323	4-218-844-4
DE 335: E model	4-218-844-5
DE 335: AEP model	4-218-844-6
SE 391	4-218-844-7

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

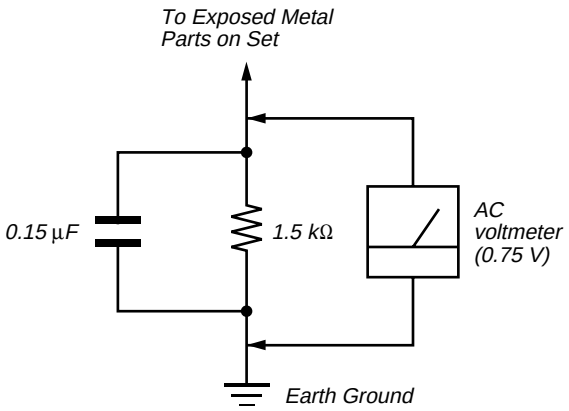
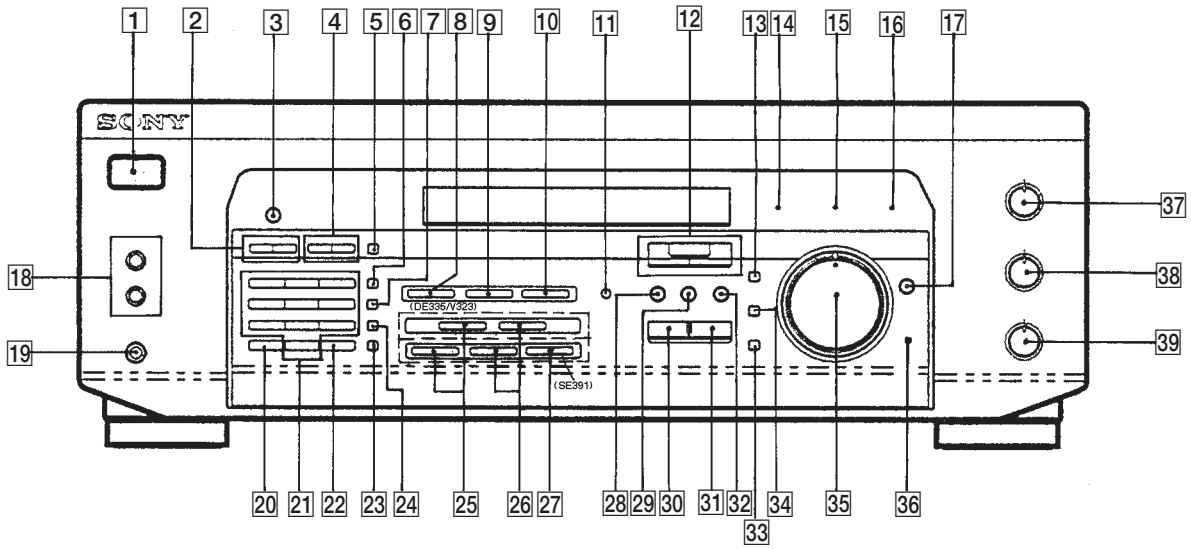


Fig. A. Using an AC voltmeter to check AC leakage.

SECTION 2
GENERAL

Location of controls

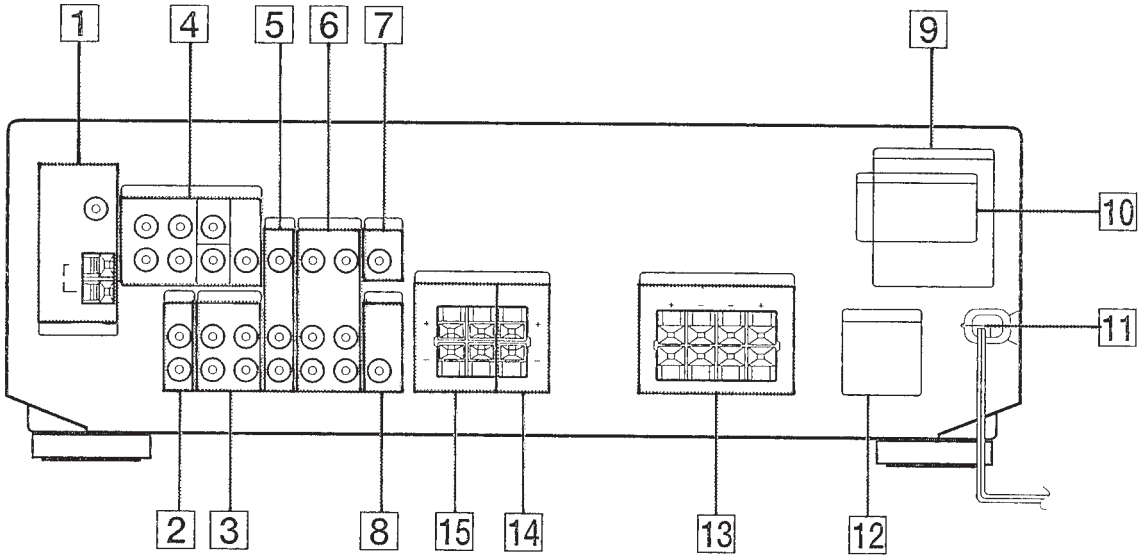
– Front view –



1 I/⏻ button
2 TUNING +, – buttons
3 DISPLAY button
4 PRESET/TUNING +, – buttons (EXCEPT AEP model)
PRESET/PTY SELECT +, – buttons (AEP model)
5 RDS PTY button (AEP model)
6 AM button (EXCEPT AEP models)
RDS EON button (AEP model)
7 FM button (EXCEPT AEP models)
FM/AM button (AEP model)
8 VIDEO button
9 TV/SAT button (US, Canadian, Australian models)
TV/LD button (AEP, E, Malaysia, Singapore, Chinese models)
10 MD/TAPE button
11 5.1 CH/DVD button and indicator
12 SOUND FIELD + MODE, ON/OFF, – MODE buttons
13 SET UP button and indicator
14 CINEMA indicator
15 VIRTUAL indicator
16 MUSIC indicator
17 BASS BOOST button and indicator
18 SPEAKERS A, B ON/OFF buttons
19 PHONES jack
20 SHIFT button
21 Numeric buttons
22 DIRECT button
23 MEMORY button
24 FM MODE button
25 CD button
26 TUNER button
27 PHONO button (SE391)
28 EFFECT/DELAY button and indicator
29 CENTER button and indicator
30 – button
31 + button
32 REAR button and indicator
33 ENTER button
34 NAME button and indicator
35 VOLUME control
36 MUTING button and indicator
37 TREBLE control
38 BASS control
39 BALANCE control

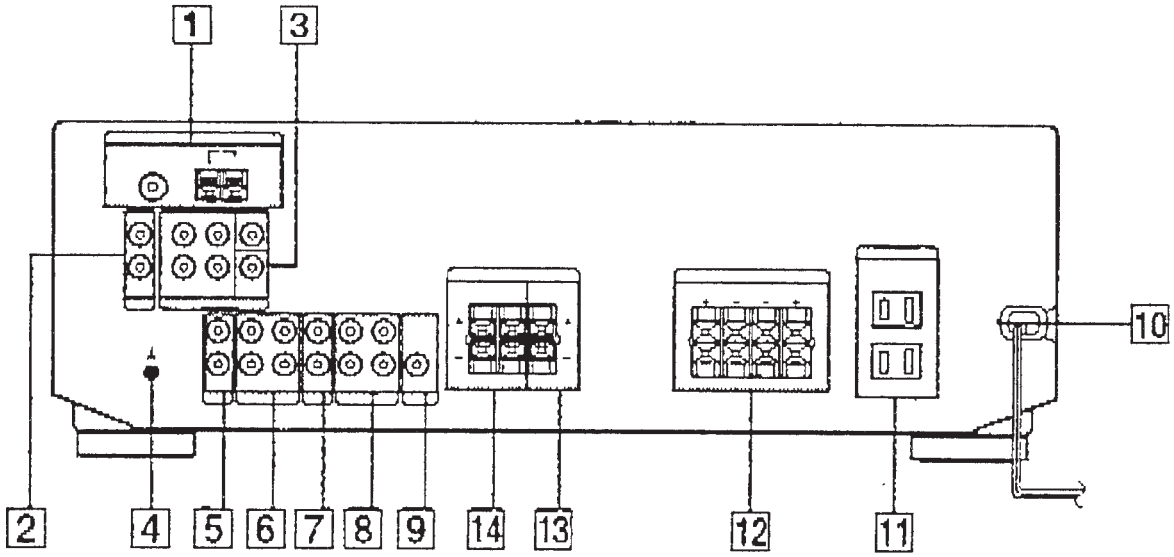
– Rear View –

STR-DE335/V323



1 ANTENNA (AM/FM)
2 CD
3 MD/TAPE
4 5.1 CH/DVD
5 TV/SAT (US, Canadian, Australian models)
TV/LD (AEP, E, Malaysia, Singapore, Chinese models)
6 VIDEO
7 MONITOR
8 WOOFER
9 SWITCHED AC OUTLET (Malaysia, Sigapore, Australian, Chinese models)
10 VOLTAGE SELECTOR (E model)
11 AC power cord
12 SWITCHED AC OUTLET (US, Canadian, E, Chinese models)
13 SPEAKERS FRONT (A/B)
14 SPEAKERS CENTER
15 SPEAKERS REAR

STR-SE391

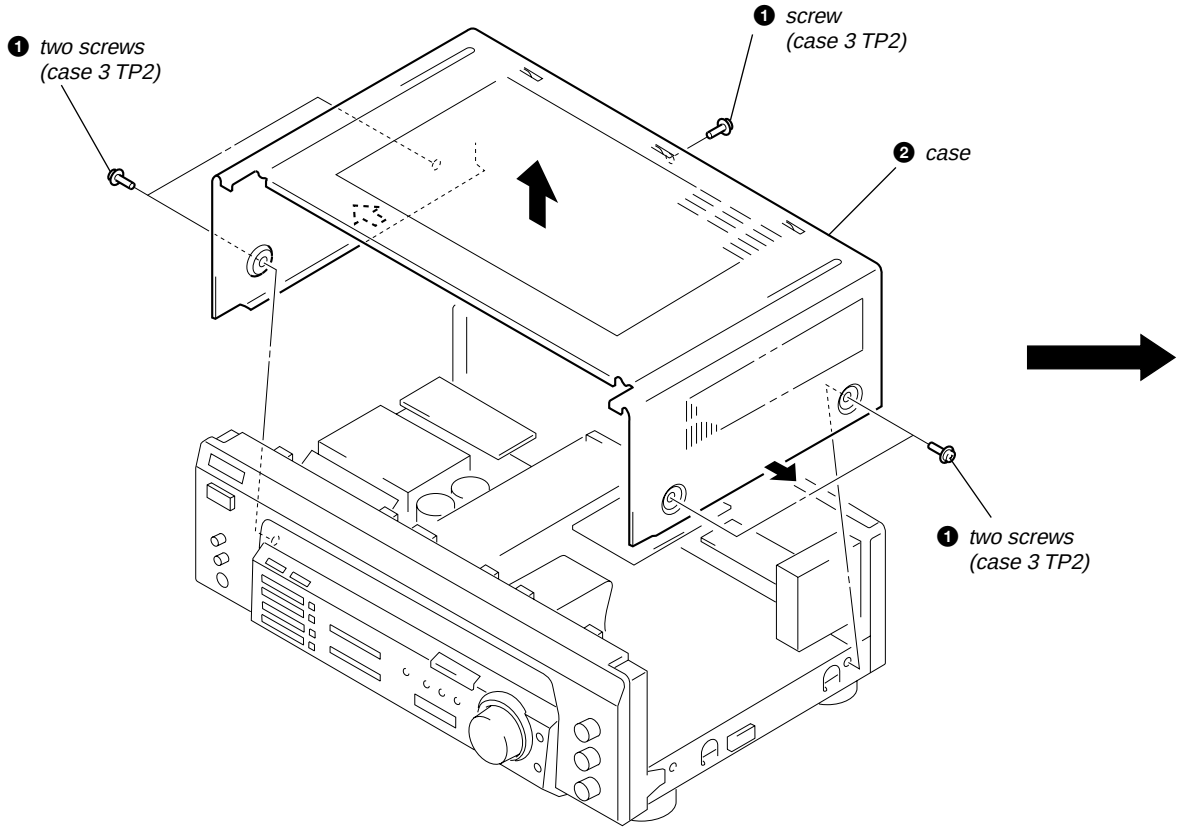


1 ANTENNA (AM/FM)
2 PHONO
3 5.1 CH/DVD
4 ⏚ ground terminal
5 CD
6 MD/TAPE
7 TV/SAT
8 VIDEO
9 WOOFER
10 AC power cord
11 SWITCHED AC OUTLET
12 SPEAKERS FRONT (A/B)
13 SPEAKERS CENTER
14 SPEAKERS REAR

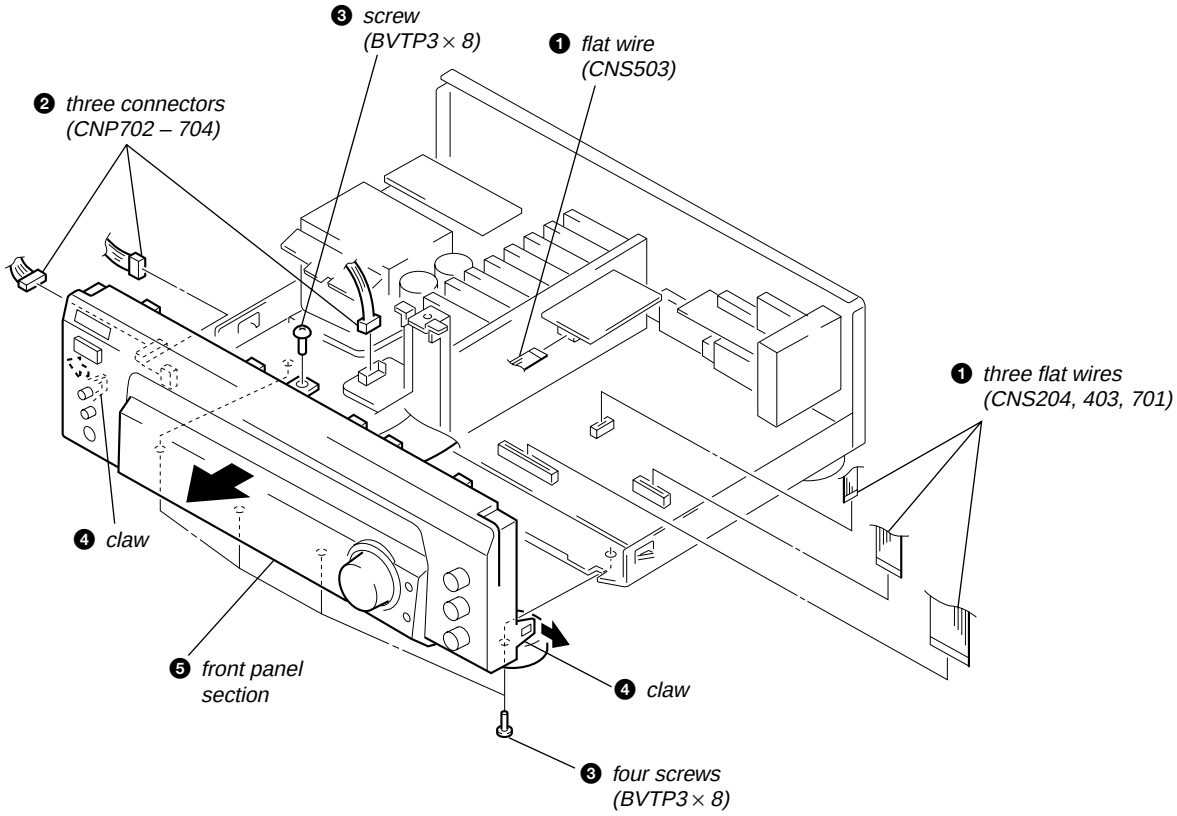
SECTION 3
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

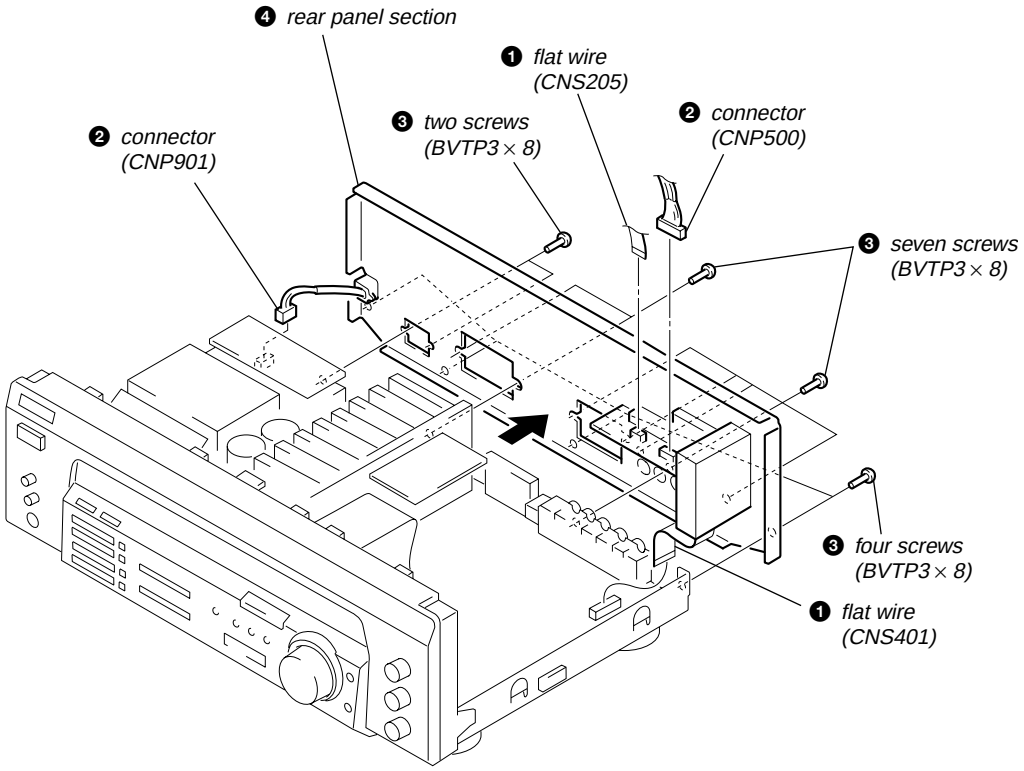
CASE



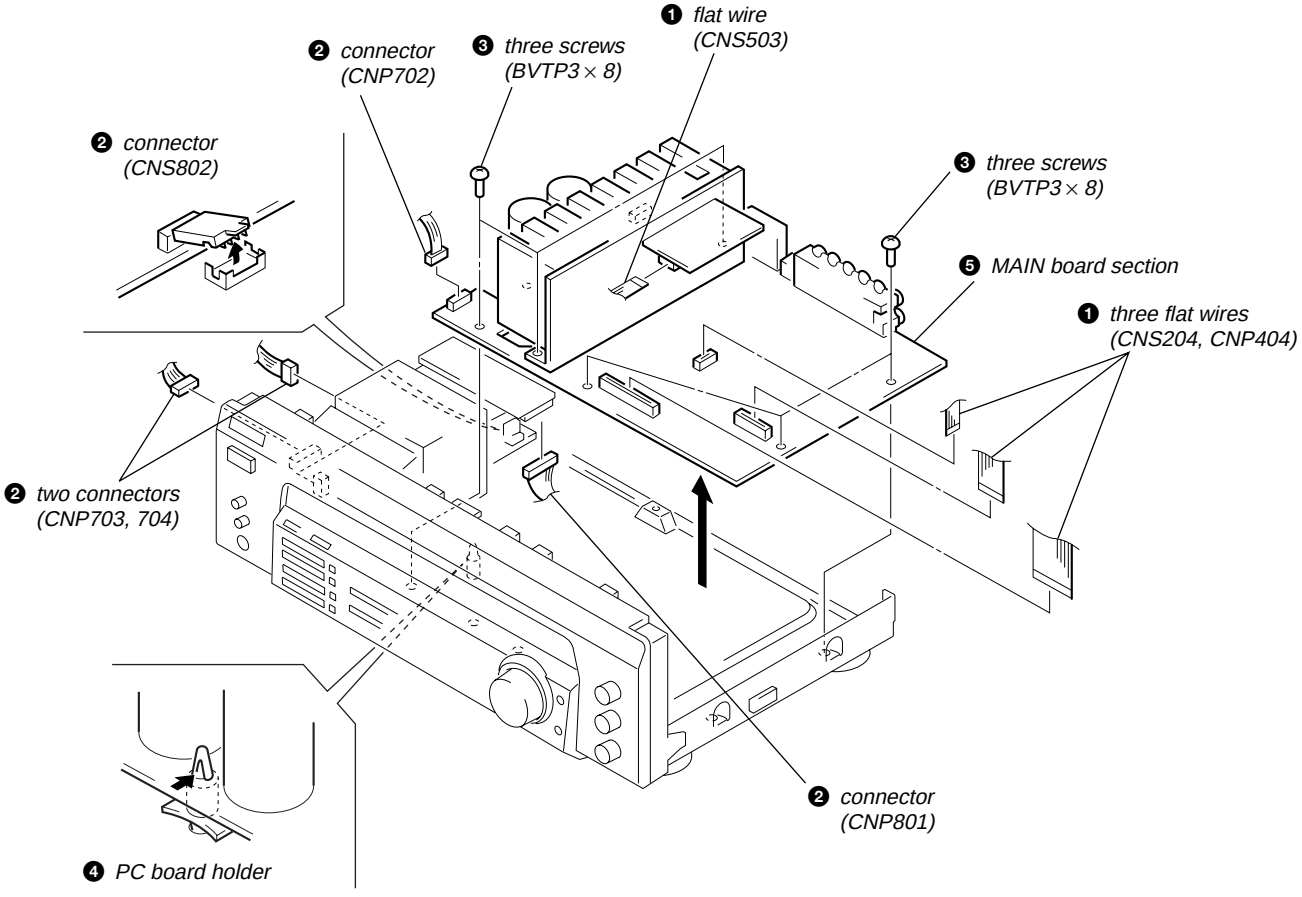
FRONT PANEL SECTION



REAR PANEL SECTION


❹ rear panel section
❶ flat wire (CNS205)
❷ connector (CNP500)
❸ two screws (BVTP3 × 8)
❷ connector (CNP901)
❸ seven screws (BVTP3 × 8)
❸ four screws (BVTP3 × 8)
❶ flat wire (CNS401)

MAIN BOARD SECTION


❶ flat wire (CNS503)
❷ connector (CNP702)
❸ three screws (BVTP3 × 8)
❷ connector (CNS802)
❸ three screws (BVTP3 × 8)
❺ MAIN board section
❶ three flat wires (CNS204, CNP404)
❷ two connectors (CNP703, 704)
❷ connector (CNP801)
❹ PC board holder

SECTION 4
TEST MODE

Initialization Mode

All preset contents are cleared when this mode is activated. When returning the unit to the customer after completing repairs, perform this operation to clear the unit.

Procedure:

1. While pressing two buttons of [TUNER] and [MD/TAPE] simultaneously, press the [I/⏻] button to turn the power ON.
2. The message “INITIAL” appears and initialization is performed.

Fluorescent Indicator Tube Test Mode

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

1. While pressing two buttons of [TV/SAT] (US , Canadian and Australian models)* and [DIRECT] simultaneously, press the [I/⏻] button to turn the power ON.
2. All segments turn on at the same time, then each segment and LED turns on one after another.
3. The message “FINISH” appears when this test is complete.

*) Except US, Canadian and Australian models are [TV/LD]

AUTO-BETICAL Check Mode (AEP model)

To auto-scanning and memories of RDS station.

Procedure:

1. While pressing the [MEMORY] button, press the [I/⏻] button to turn the power ON.
2. The message “AUTO BET” appears and each function is selected one after another.

AM Tuning Interval Selection Mode (US, Canadian and E models)

Either 9 kHz step or 10 kHz step can be selected for the AM tuning interval.

Procedure:

1. Set the FUNCTION to AM.
2. Press the [I/⏻] button to turn the power OFF.
3. While pressing the [TUNING+] or [PRESET+] button, press the [I/⏻] button to turn the power ON.
4. Either the message 10 k STEP” or “10k STEP” appears.
5. Select the desired step.

Software Version Display Mode

The software version is displayed.

Procedure:

1. While pressing two the buttons of [MD/TAPE] and [DIRECT] simultaneously, press the [I/⏻] button to turn the power ON.
2. The software version is displayed.

SOUND FIELD Setting Clear Mode

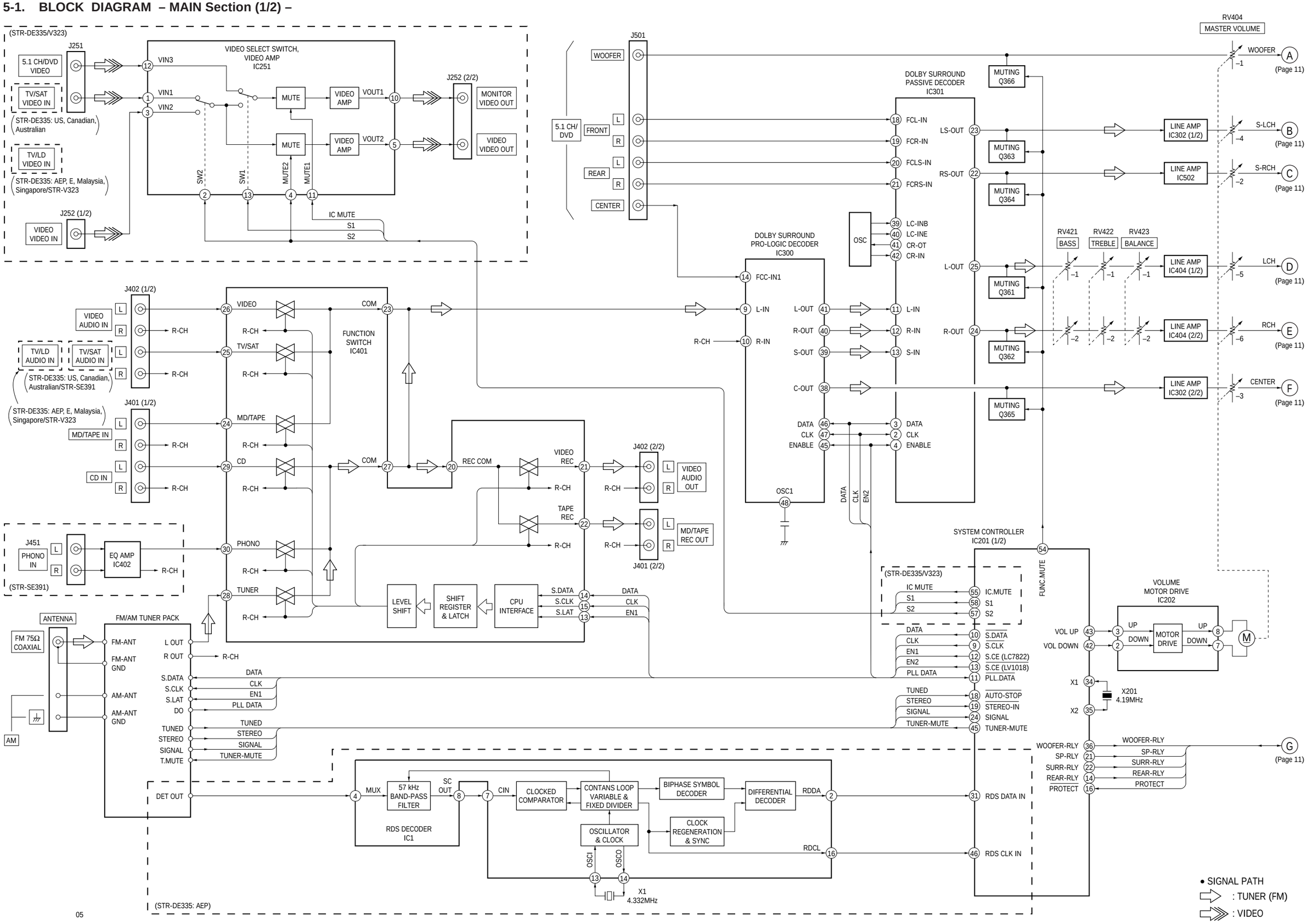
All SOUND FIELD setting are cleared.

Procedure:

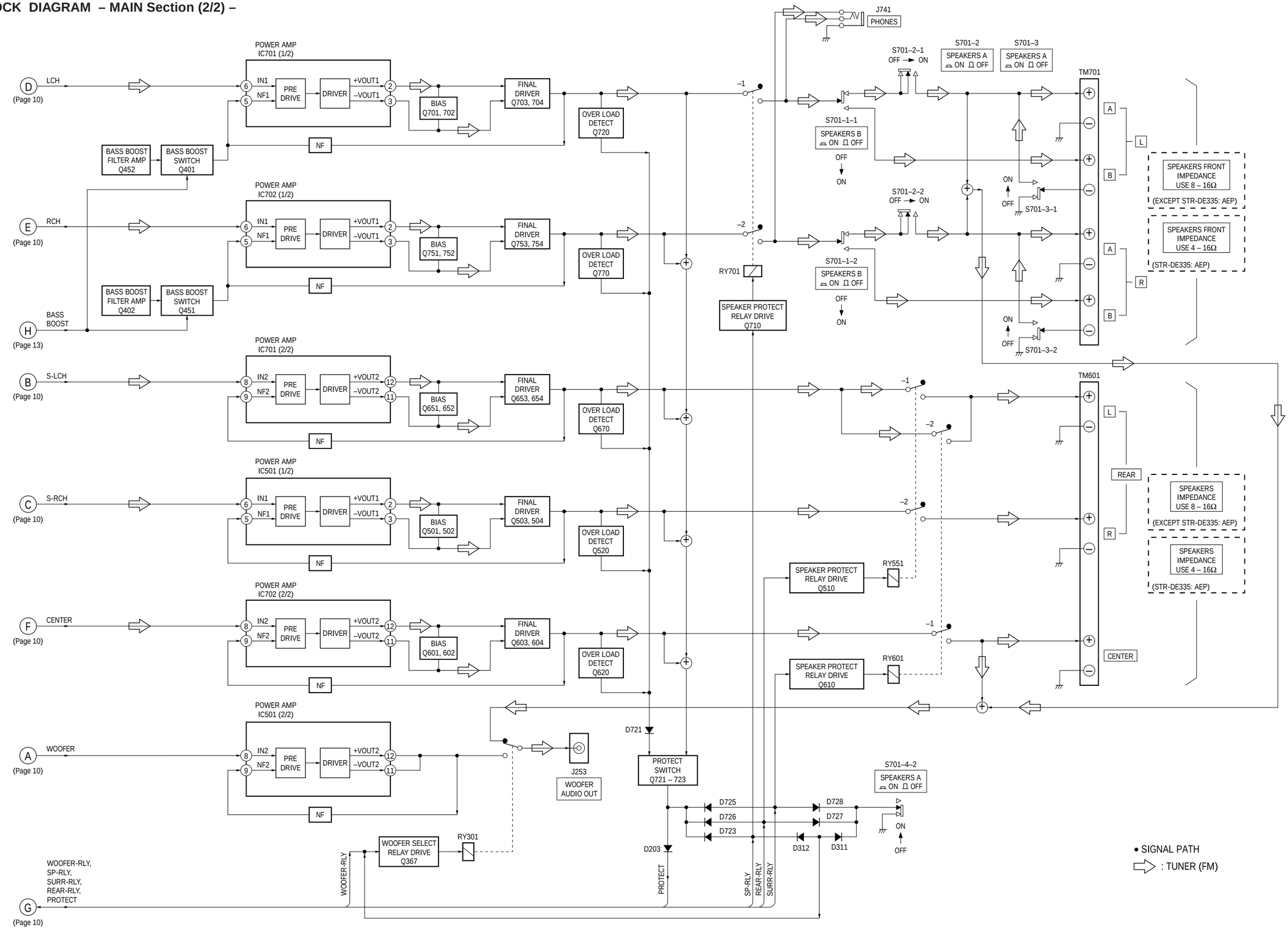
1. While pressing the [SOUND FIELD ON/OFF] button, press the [I/⏻] button to turn the power ON.
2. The message “SURR CLR” appears and all SOUND FIELD setting are cleared.

SECTION 5
DIAGRAMS

5-1. BLOCK DIAGRAM – MAIN Section (1/2) –

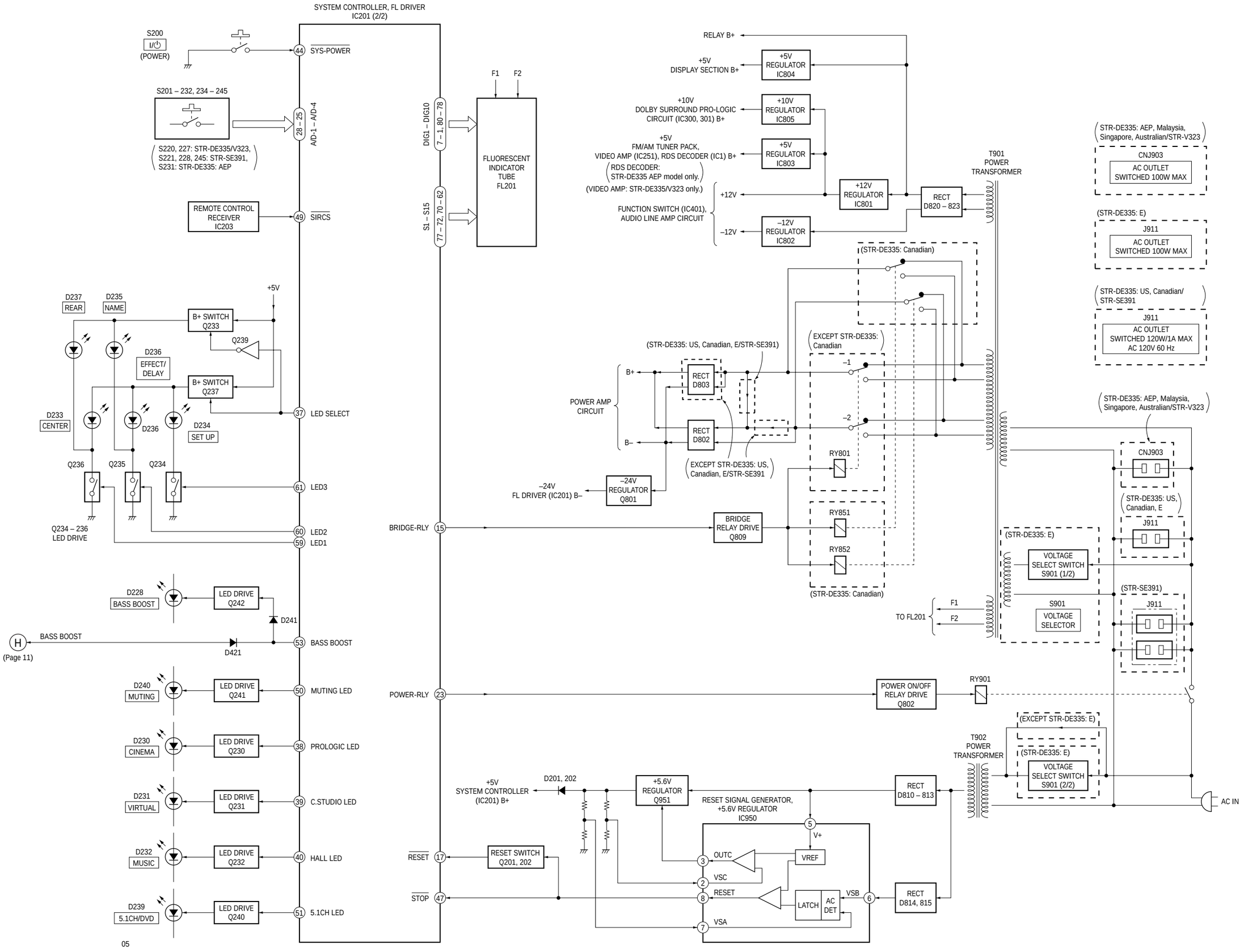


5-2. BLOCK DIAGRAM – MAIN Section (2/2) –



05

5-3. BLOCK DIAGRAM – DISPLAY/POWER SUPPLY Section –



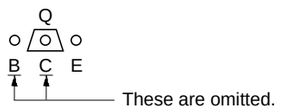
5-4. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

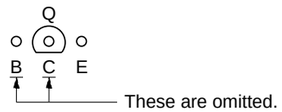
Note on Printed Wiring Board:

- ○——— : parts extracted from the component side.
- ▒▒▒▒▒ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

- Indication of transistor.





Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

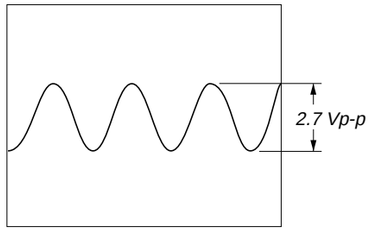
以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

- B+ : B+ Line.
- B− : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : TUNER (FM)
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : TUNER (FM)
  ⇨ : VIDEO
- Abbreviation
  AUS : Australian model
  CND : Canadian model
  MY : Malaysia model
  SP : Singapore model

• Waveforms

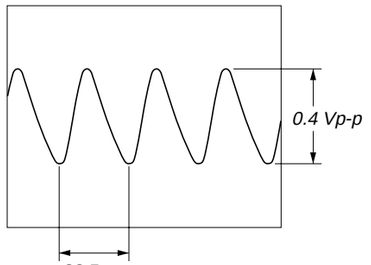
– MAIN Board –

❶ IC1 ⑬ (OSCI)

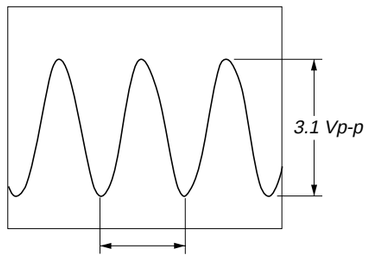


4.332 MHz

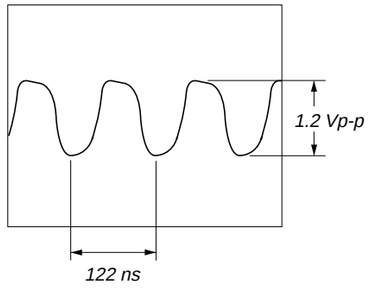
❷ IC300 ㊽ (OSC1) (Change DOLBY Mode)



❸ IC301 ㊵ (LC-INE)

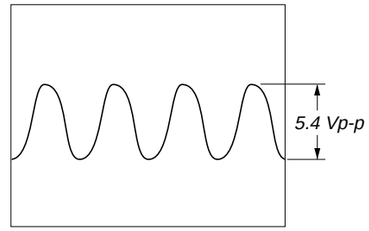


❹ IC301 ㊶ (CR-OT)



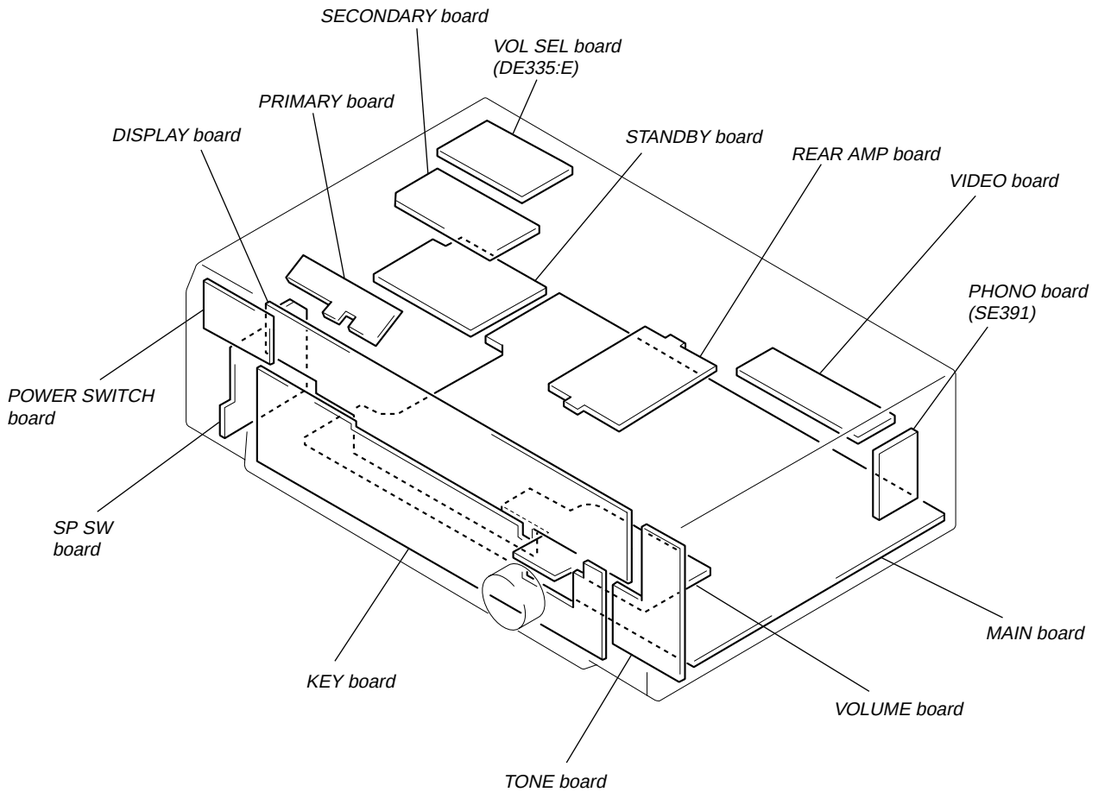
– DISPLAY Board –

❶ IC201 ㉟ (X2)

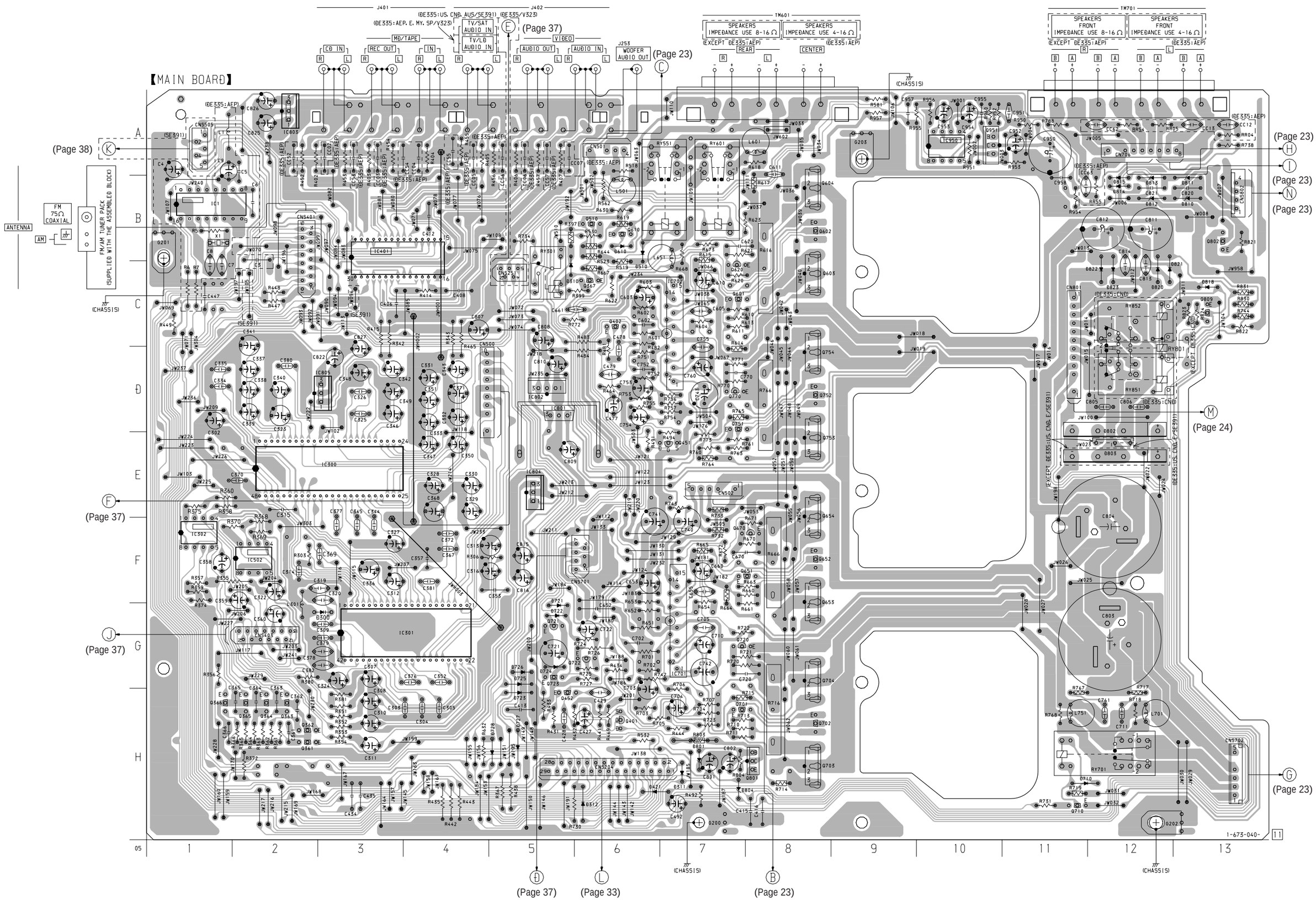


4.19 MHz

- **Circuit Boards Location**



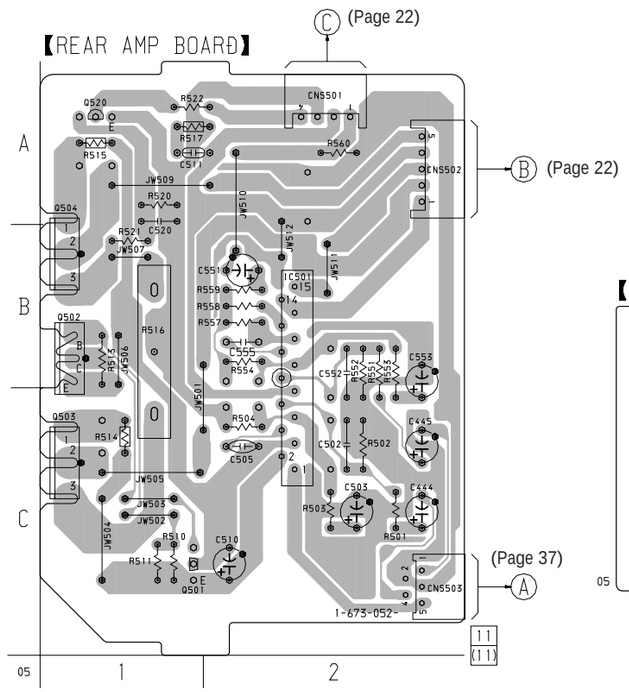
5-5. PRINTED WIRING BOARD – MAIN Board – • See page 19 for Circuit Boards Location.

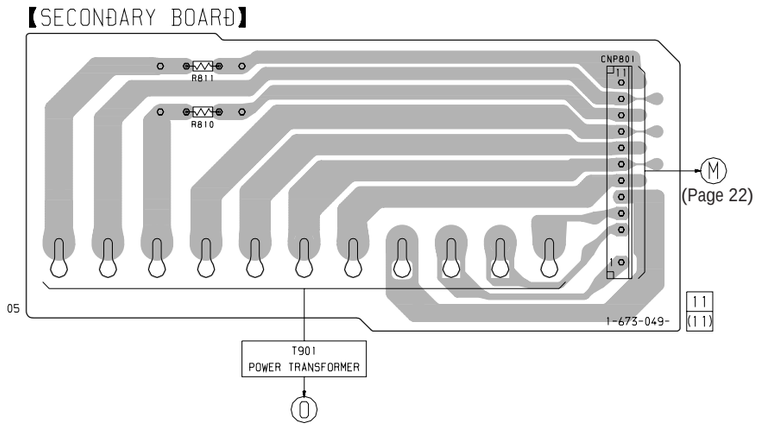


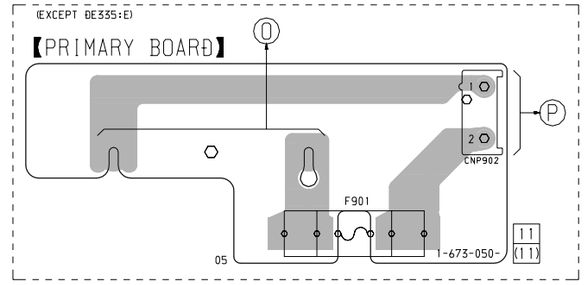
5-6. PRINTED WIRING BOARDS – REAR AMP Board/SP SW Board/SECONDARY Board/STANDBY Board/ PRIMARY Board/VOL SEL Board – • See page 19 for Circuit Boards Location.

• **Semiconductor Location**

Ref. No.	Location
IC501	B-2
Q501	C-1
Q502	B-1
Q503	C-1
Q504	B-1
Q520	A-1

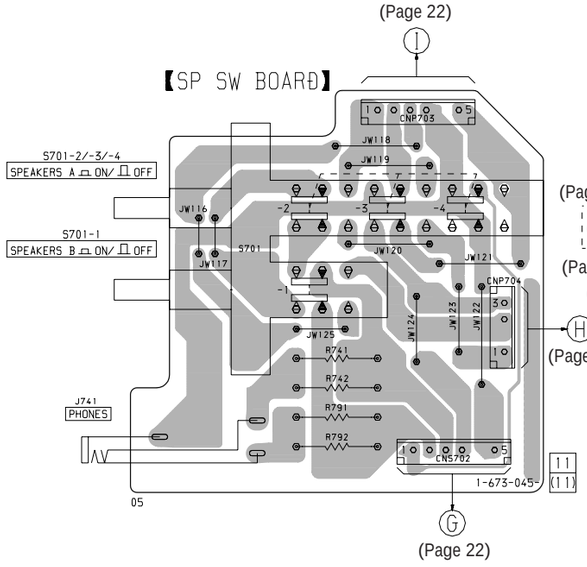


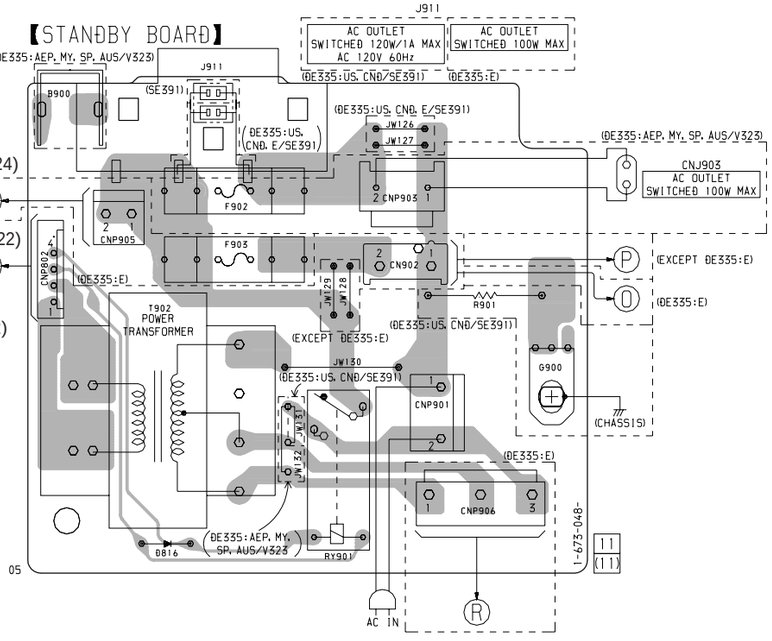


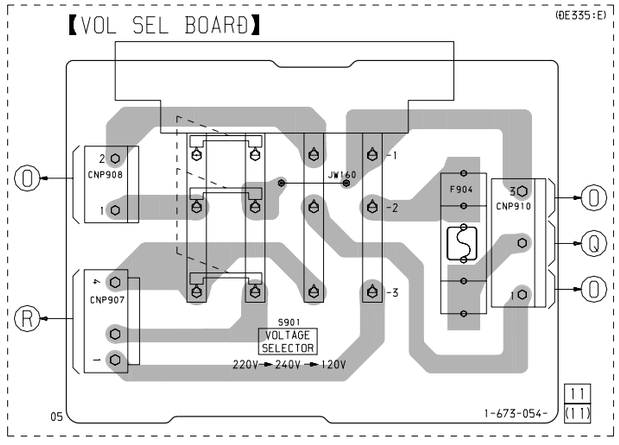


• **Semiconductor Location**

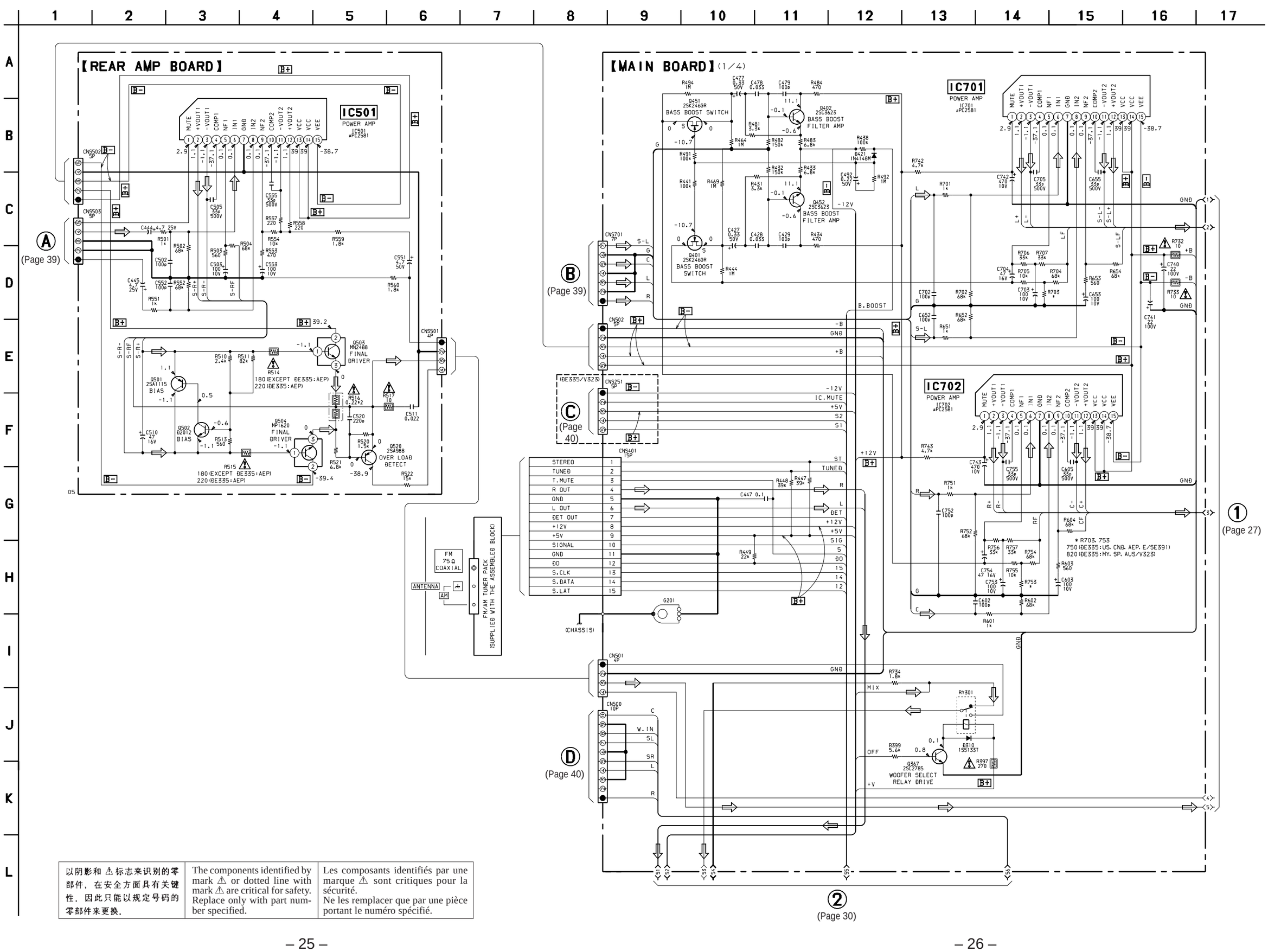
Ref. No.	Location	Ref. No.	Location
D300	G-3	IC805	D-3
D310	C-5	IC950	A-10
D311	H-7		
D312	H-6	Q361	H-2
D421	H-6	Q362	H-2
D510	B-6	Q363	H-2
D610	B-6	Q364	H-2
D710	H-11	Q365	H-2
D721	G-5	Q366	H-1
D722	G-5	Q367	C-6
D723	H-5	Q401	H-6
D724	G-5	Q402	C-6
D725	G-5	Q451	E-7
D726	G-5	Q452	H-5
D727	H-5	Q510	B-6
D728	H-5	Q601	C-7
D801	H-7	Q602	B-8
D802	D-12	Q603	C-8
D803	E-12	Q604	B-8
D804	H-7	Q610	B-6
D810	B-13	Q620	C-7
D811	B-13	Q651	F-8
D812	B-12	Q652	F-8
D813	B-12	Q653	F-8
D814	B-12	Q654	E-8
D815	B-12	Q670	F-8
D818	C-13	Q701	H-7
D820	C-12	Q702	H-8
D821	C-12	Q703	H-8
D822	C-12	Q704	G-8
D823	C-12	Q710	H-11
		Q720	G-7
IC1	B-1	Q721	G-5
IC300	E-3	Q722	G-6
IC301	G-4	Q723	G-5
IC302	F-1	Q751	D-7
IC401	B-3	Q752	D-8
IC502	F-2	Q753	E-8
IC701	G-7	Q754	D-8
IC702	C-7	Q770	D-7
IC801	D-5	Q801	H-8
IC802	D-5	Q802	B-13
IC803	A-2	Q809	C-13
IC804	E-5	Q951	A-10





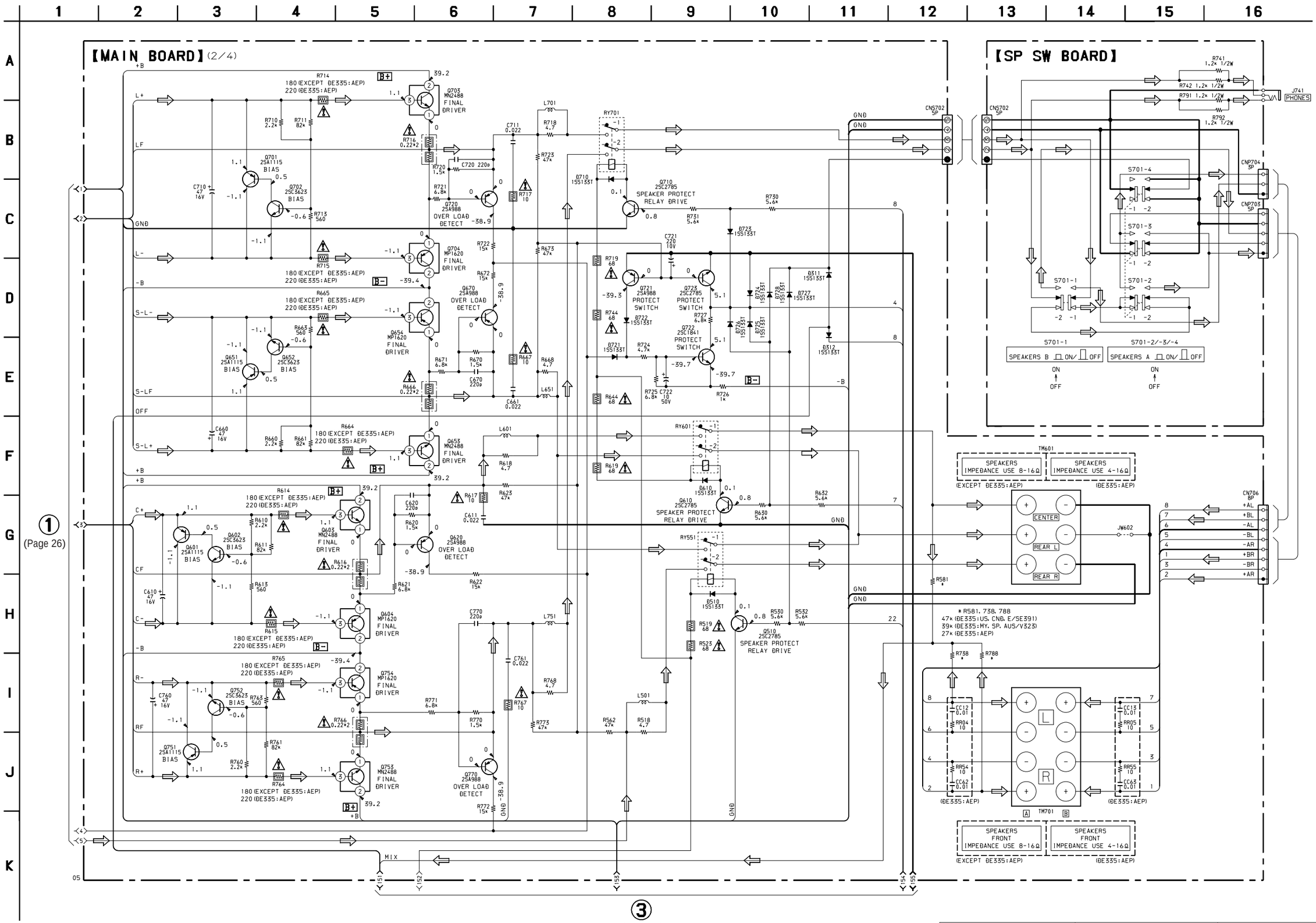


5-7. SCHEMATIC DIAGRAM – MAIN Board (1/4)/REAR AMP Board – • See page 42 for IC Block Diagrams.



以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。	The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

5-8. SCHEMATIC DIAGRAM – MAIN Board (2/4)/SP SW Board –



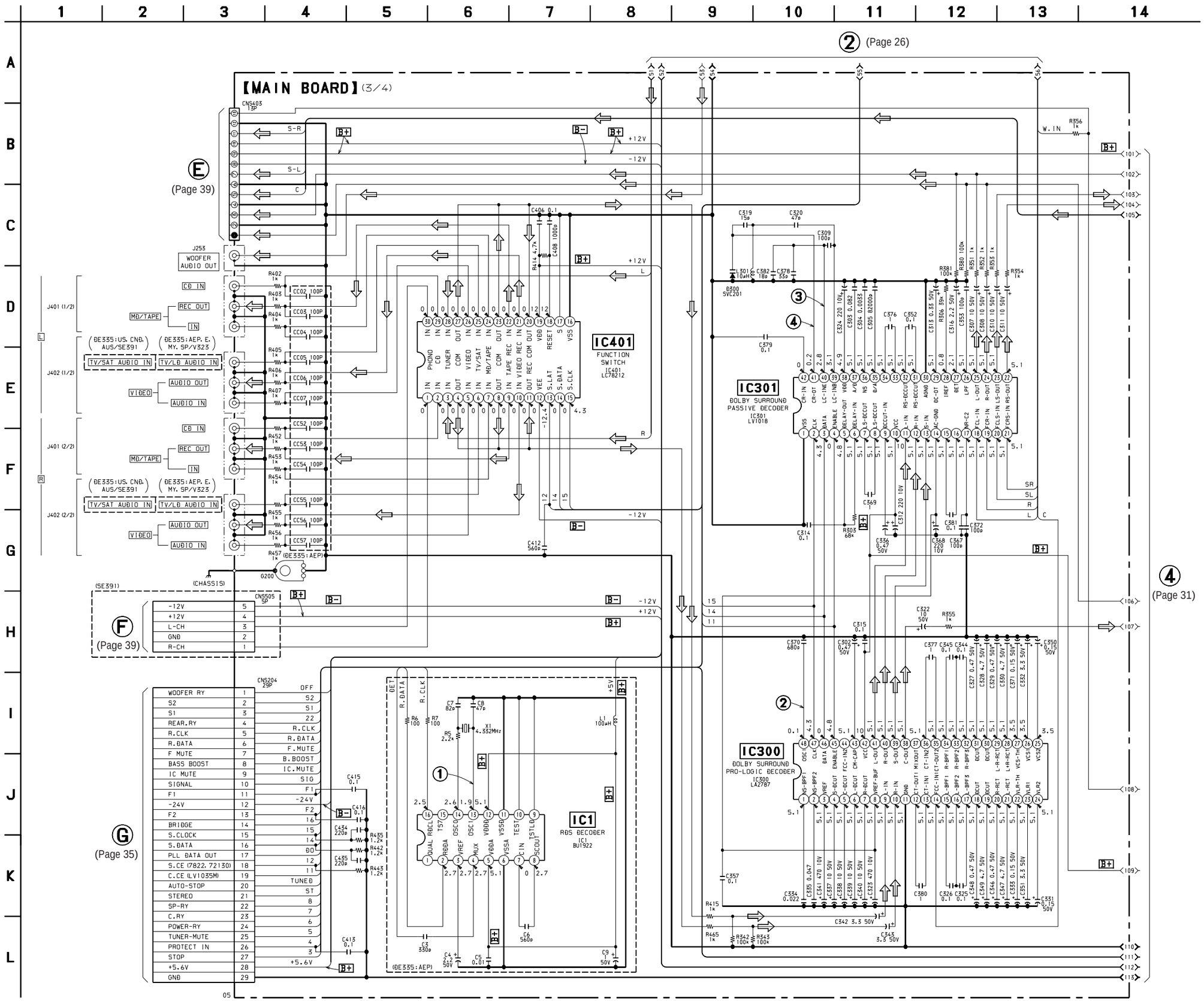
① (Page 26)

③ (Page 31)

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。	The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

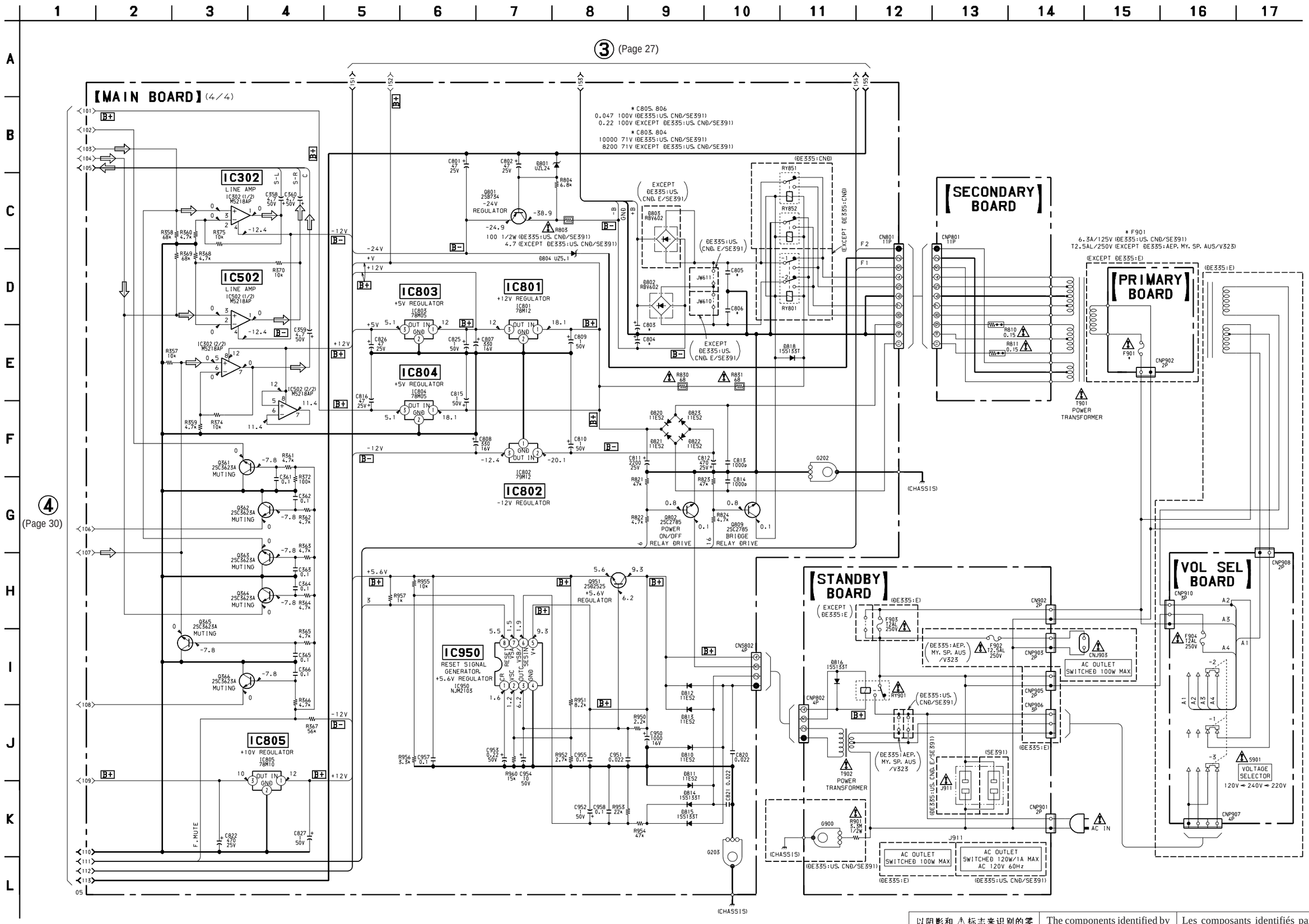
5-9. SCHEMATIC DIAGRAM – MAIN Board (3/4) –

• See page 18 for Waveforms. • See page 41 for IC Block Diagrams.



5-10. SCHEMATIC DIAGRAM – MAIN Board (4/4)/SECONDARY Board/STANDBY Board/PRIMARY Board/VOL SEL Board –

• See page 43 for IC Block Diagram.

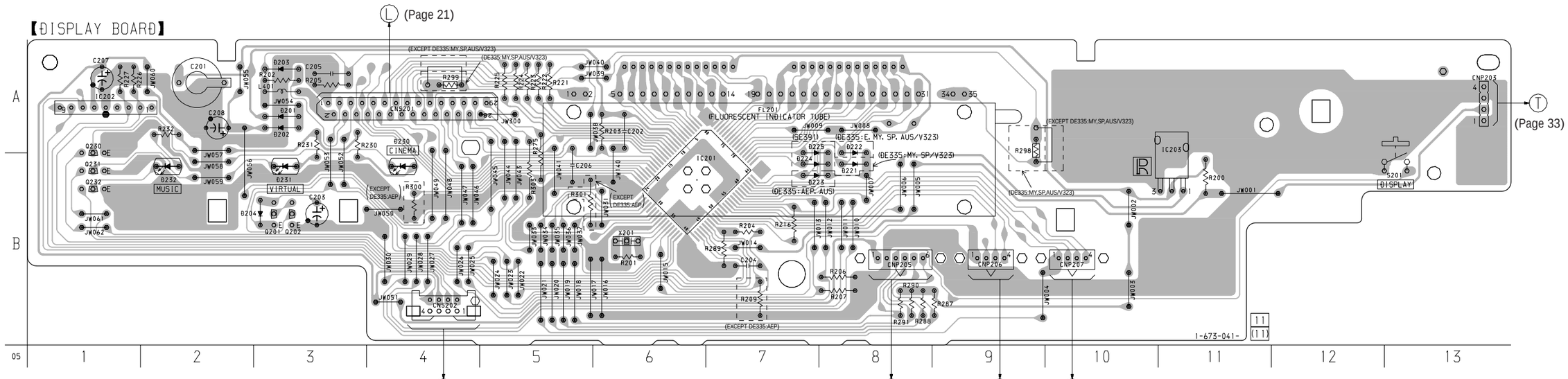


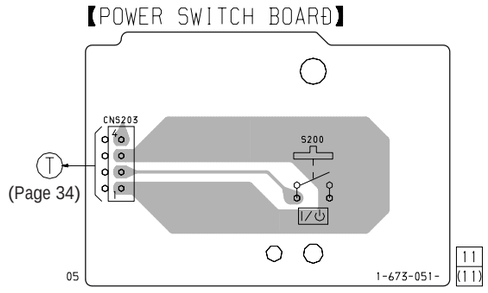
以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。	The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

5-11. PRINTED WIRING BOARD – PANEL Section – • See page 19 for Circuit Boards Location.

- **Semiconductor Location**

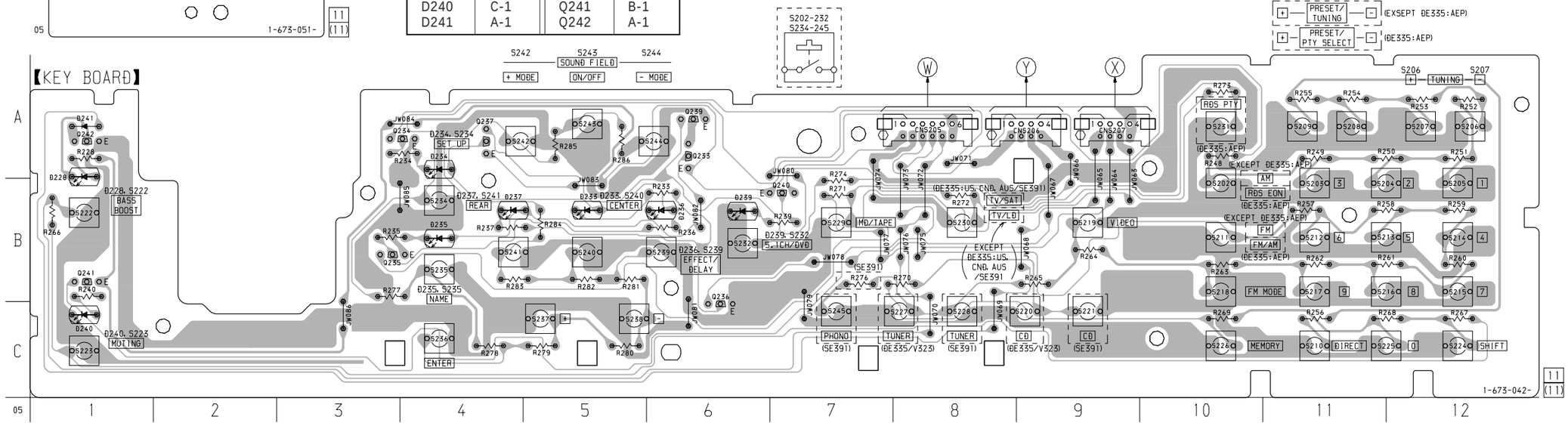
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D201	A-3	D225	A-7	Q201	B-3
D202	A-3	D230	B-4	Q202	B-3
D203	A-3	D231	B-3	Q230	A-1
D204	B-3	D232	B-2	Q231	B-1
D221	B-8			Q232	B-1
D222	A-8	IC201	B-6		
D223	B-7	IC202	A-1		
D224	B-7	IC203	B-11		





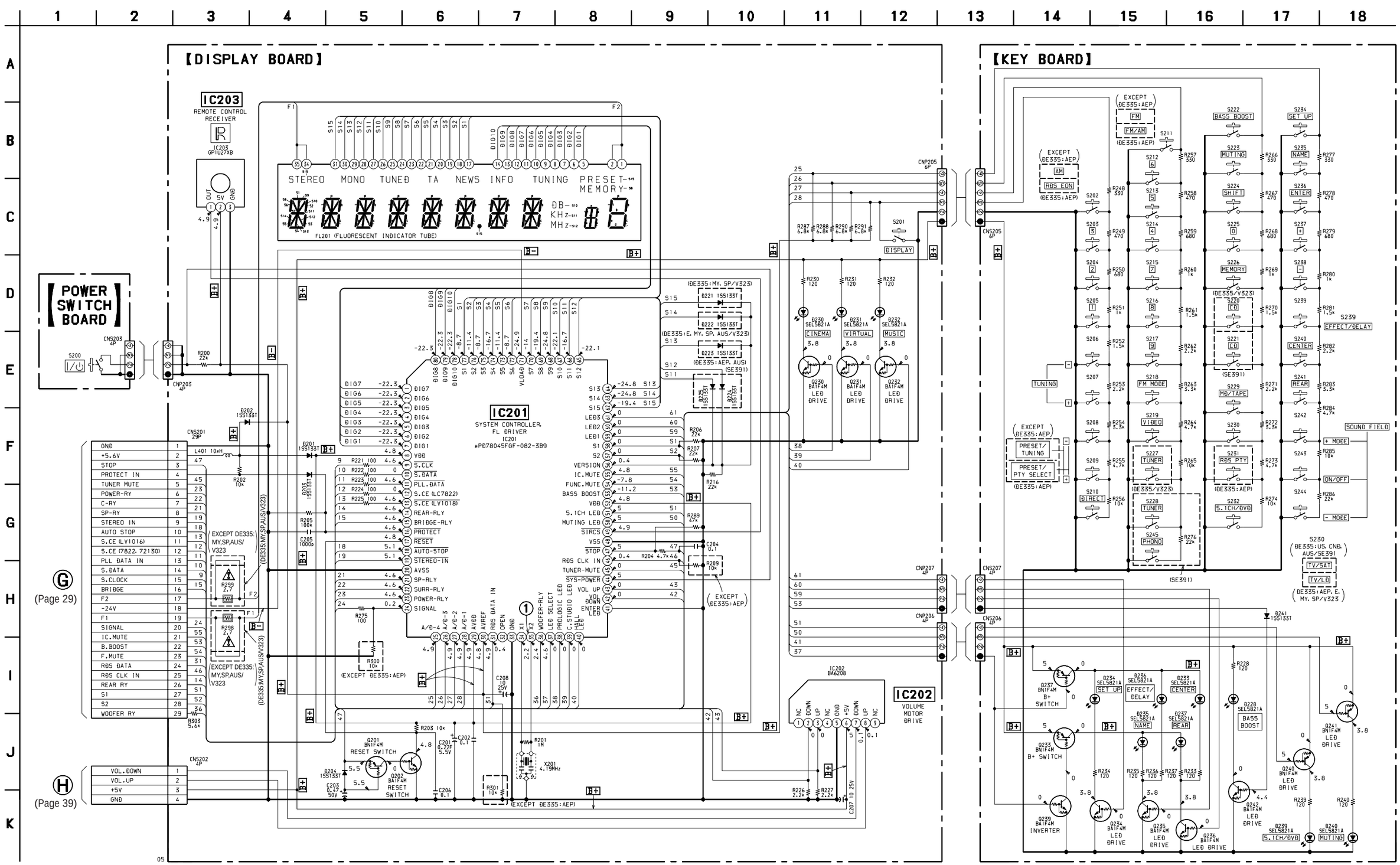
- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D228	A-1	Q233	A-6
D233	B-5	Q234	A-4
D234	A-4	Q235	B-3
D235	B-4	Q236	C-6
D236	B-6	Q237	A-4
D237	B-4	Q239	A-6
D239	B-6	Q240	B-7
D240	C-1	Q241	B-1
D241	A-1	Q242	A-1



5-12. SCHEMATIC DIAGRAM – PANEL Section –

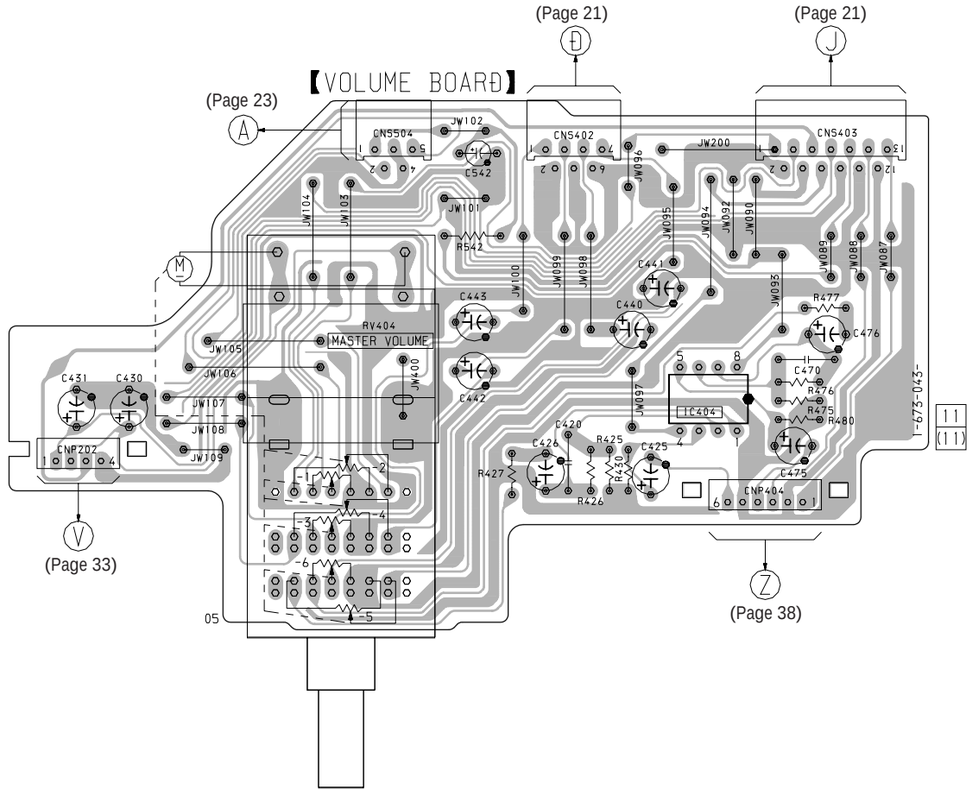
• See page 18 for Waveform. • See page 43 for IC Block Diagram.

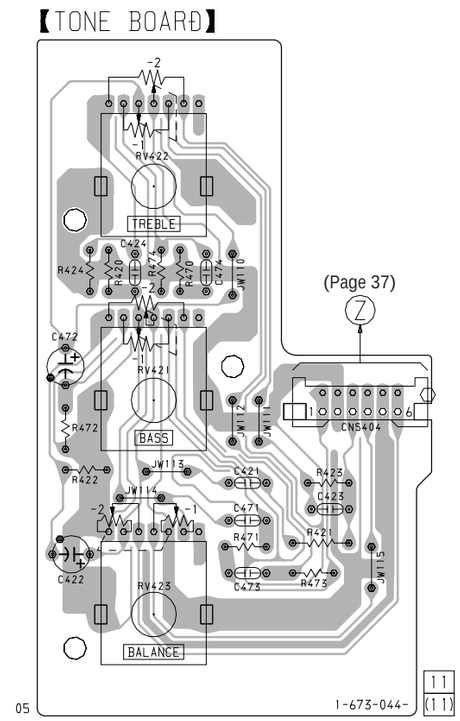


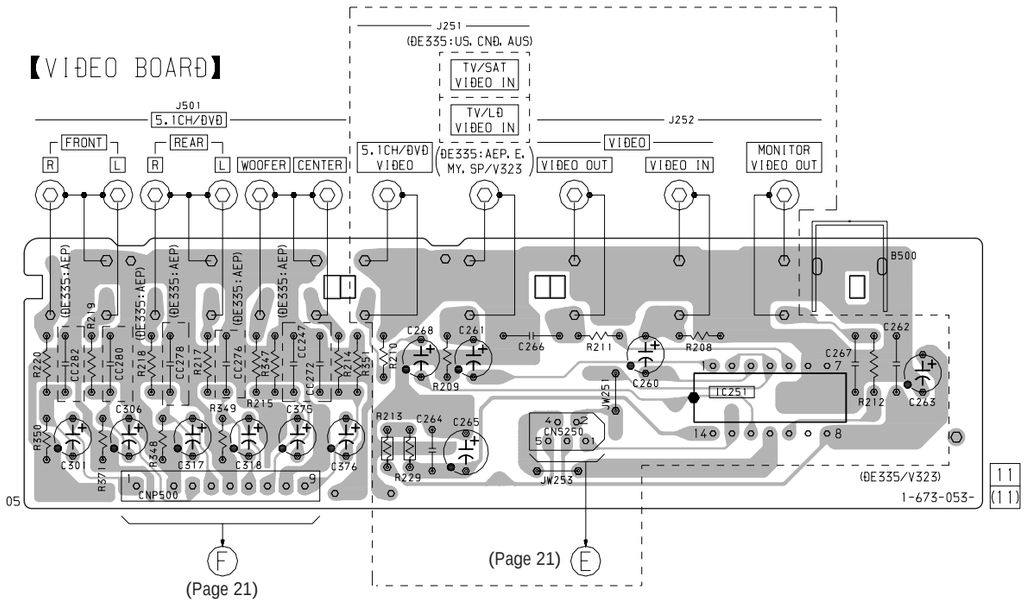
以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。	The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

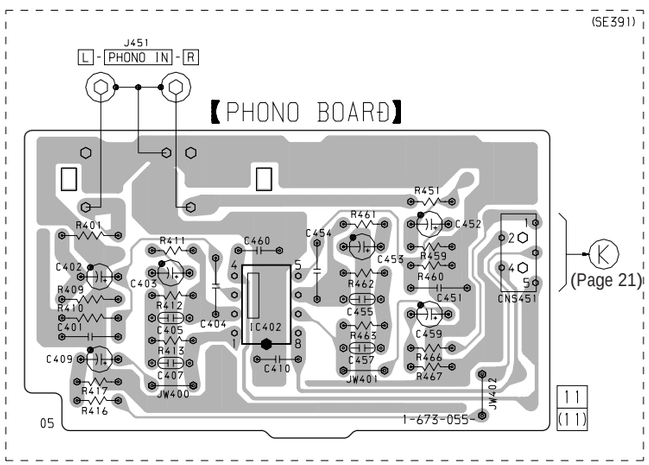
5-13. PRINTED WIRING BOARDS – VOLUME Board/TONE Board/VIDEO Board/PHONO Board –

• See page 19 for Circuit Boards Location.

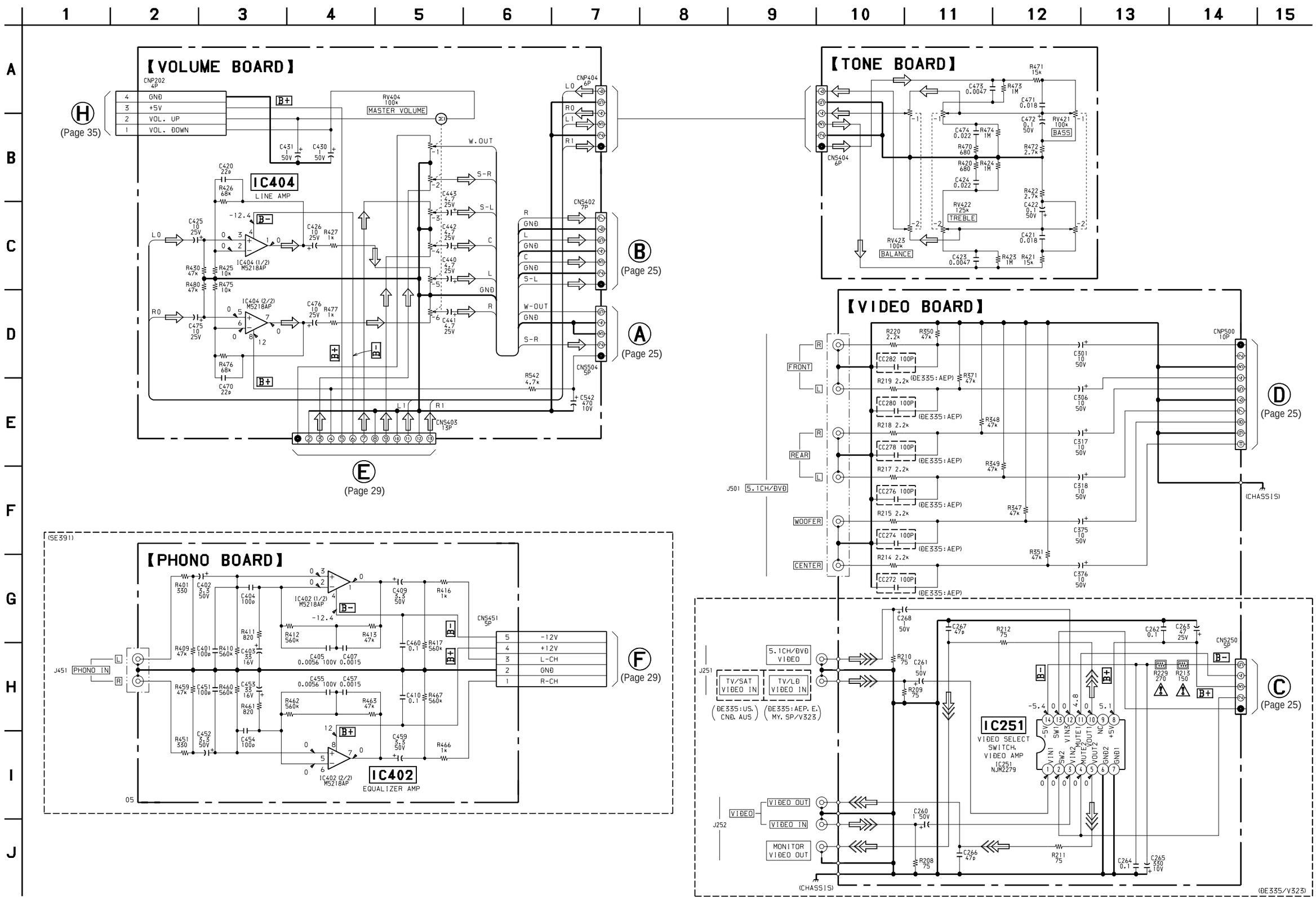








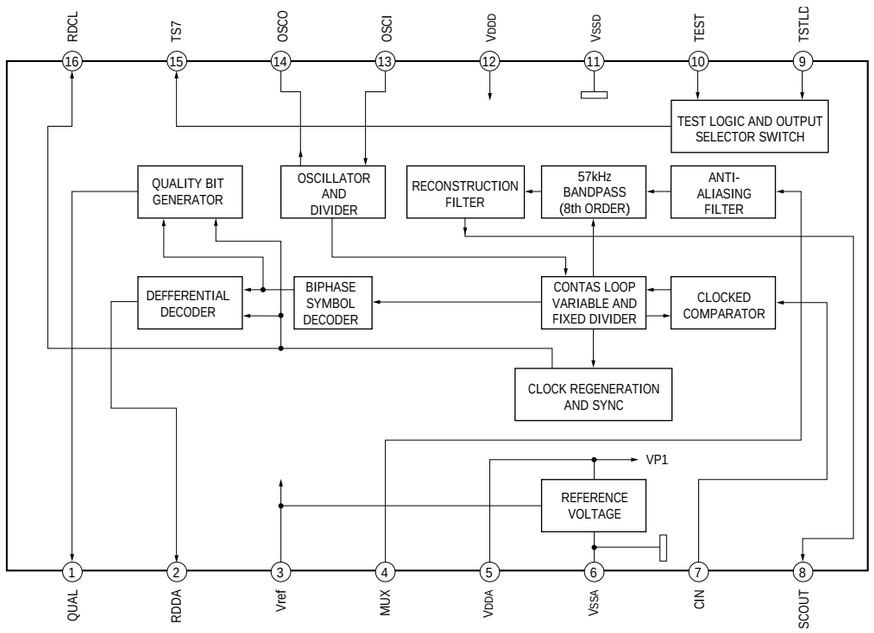
5-14. SCHEMATIC DIAGRAM – VOLUME Board/TONE Board/VIDEO Board/PHONO Board – • See page 43 for IC Block Diagram.



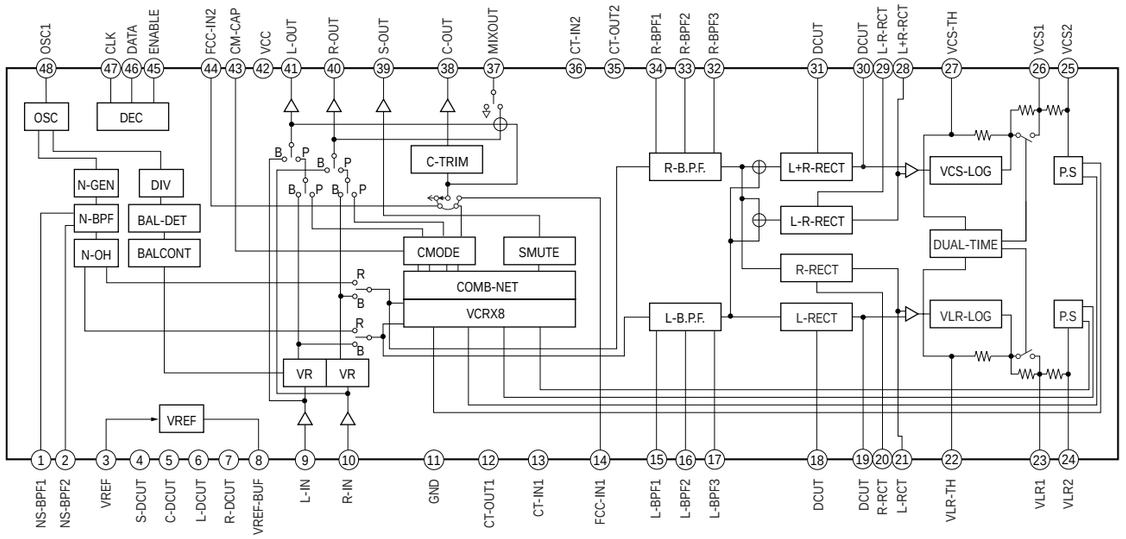
以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。	The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

• **IC Block Diagrams**
– MAIN BOARD –

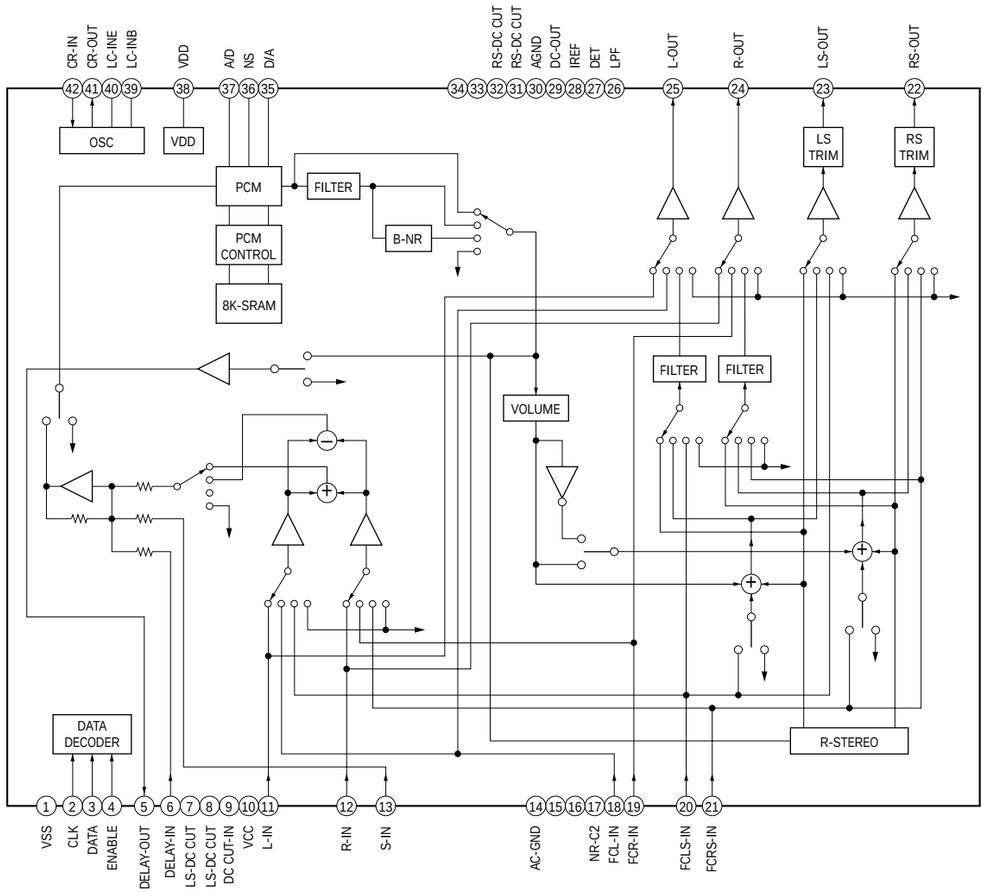
IC1 BU1922 (STR-DE335: AEP model)



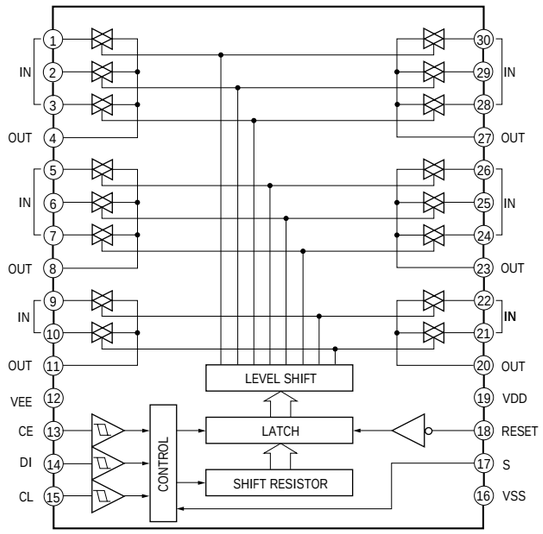
IC300 CXA8079S



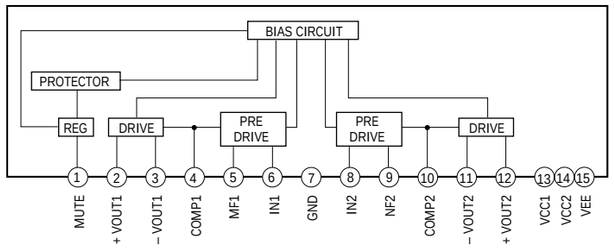
IC301 LV1018



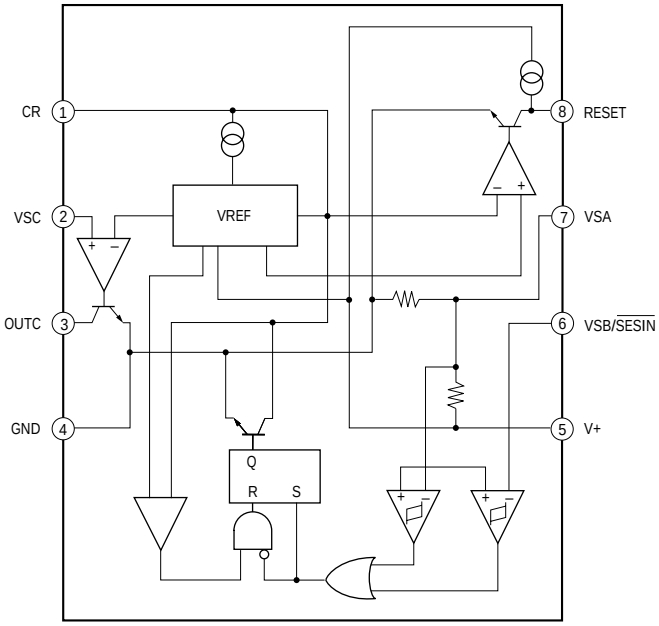
IC401 LC78212



IC701, 702 µPC2581V

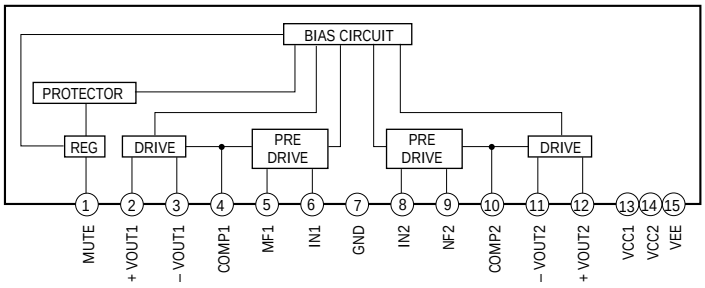


IC950 NJM2103D



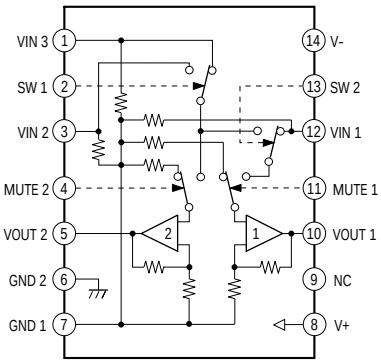
– REAR AMP Board –

IC501 µPC2581V



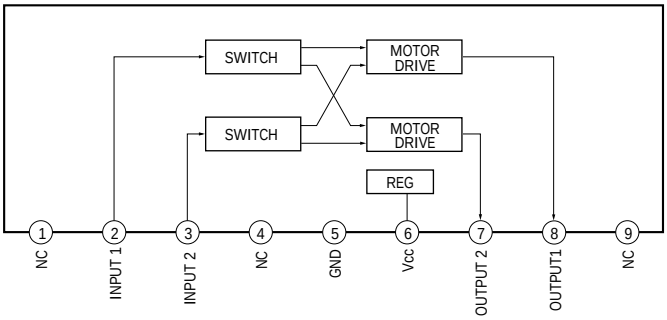
– VIDEO Board (STR-DE335/V323) –

IC251 NJM2279D



– DISPLAY Board –

IC202 BA6208



5-15. IC PIN FUNCTION DESCRIPTION

• DISPLAY BOARD IC201 μPD78045FGF-082-3B9 (SYSTEM CONTROLLER, FL DRIVER)

Pin No.	Pin Name	I/O	Description
1 to 7	DIG7 to DIG1	O	Digit drive signal output to the fluorescent indicator tube (FL201)
8	VDD	—	Power supply terminal (+5V)
9	$\overline{\text{S.CLK}}$	O	Serial data transfer clock signal output to the dolby surround pro-logic circuit (IC300, 301), LC78212 (IC401) and PLL IC on FM/AM tuner pack "L" active
10	$\overline{\text{S.DATA}}$	O	Serial data output to the dolby surround pro-logic circuit (IC300, 301), LC78212 (IC401) and PLL IC on FM/AM tuner pack "L" active
11	$\overline{\text{PLL.DATA}}$	I	Serial data input from the PLL IC on FM/AM tuner pack "L" active
12	S.CE (LC7822)	O	Serial chip enable signal output to the LC78212 (IC401), PLL IC on FM/AM tuner pack "H" active
13	$\overline{\text{S.CE (LV1018)}}$	O	Serial chip enable signal output to the dolby surround pro-logic circuit (IC300, 301) "L" active
14	REAR-RLY	O	Speaker protect relay drive signal output for the rear side speaker "H": relay on
15	BRIDGE-RLY	O	Bridgeable relay drive signal output terminal "H": relay on
16	$\overline{\text{PROTECT}}$	I	Over load detect signal input from the protect circuit "L": protect detect
17	$\overline{\text{RESET}}$	I	System reset signal input from the reset signal generator (IC950, Q201) "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it changes to "H"
18	$\overline{\text{AUTO-STOP}}$	I	Tuned display detection signal input from the FM/AM tuner pack "L": tuned
19	$\overline{\text{STEREO-IN}}$	I	Stereo detection signal input from the FM/AM tuner pack "L": stereo
20	AVSS	—	Ground terminal (for A/D converter analog system)
21	SP-RLY	O	Speaker protect relay drive signal output for the front side speaker "H": relay on
22	SURR-RLY	O	Speaker protect relay drive signal output for the surround speaker "H": relay on
23	POWER-RLY	O	Relay drive signal output for the power on/off control "H": relay on
24	SIGNAL	I	FM and AM signal meter voltage detection signal input from the FM/AM tuner pack
25	A/D-4	I	Key input terminal (A/D input) S234 to S244 (SET UP, NAME, ENTER, +, –, EFFECT/ DELAY, CENTER, REAR, MODE +, SOUND FIELD ON/OFF, MODE –) keys input
26	A/D-3	I	Key input terminal (A/D input) S222 to S226, S220, S221, S229 to S232 (BASS BOOST, MUTING, SHIFT, 0, MEMORY, CD, MD/TAPE, TV/SAT or TV/LD, RDS PTY, 5.1CH/DVD) keys input (S220 CD key: used for the except STR-SE391) (S221 CD key: used for the STR-SE391 only) (S231 RDS PTY key: used for the STR-DE335 AEP model only)
27	A/D-2	I	Key input terminal (A/D input) S211 to S219, S227, S228, S245 (FM or FM/AM, 6, 5, 4, 7, 8, 9, FM MODE, VIDEO, TUNER, PHONO) keys input (S227 TUNER key: used for the except STR-SE391) (S228 TUNER key: used for the STR-SE391 only) (S245 PNONO key: used for the STR-SE391 only)
28	A/D-1	I	Key input terminal (A/D input) S201 to S210 (DISPLAY, AM or RDS EON, 3, 2, 1, TUNING –/+, PRESET TUNING –/+ or PRESET/PTY SELECT –/+, DIRECT) keys input
29	AVDD	—	Power supply terminal (+5V) (for A/D converter analog system)
30	AVREF	I	Reference voltage (+5V) input terminal (for A/D converter)
31	RDS DATA IN	I	RDS data input from the RDS decoder (IC1) (Used for the STR-DE335 AEP model only) Except STR-DE335 AEP model: Not used (fixed at "L")
32	OPEN	—	Not used (open)
33	GND	—	Ground terminal
34	X1	I	Main system clock input terminal (4.19 MHz)
35	X2	O	Main system clock output terminal (4.19 MHz)
36	WOOFER-RLY	O	Relay drive signal output for the woofer speaker "H": relay on
37	LED SELECT	O	LED select signal output terminal "H" active

Pin No.	Pin Name	I/O	Description
38	PROLOGIC LED	O	LED drive signal output of the CINEMA (D230) indicator "H": LED on
39	C.STUDIO LED	O	LED drive signal output of the VIRTUAL (D231) indicator "H": LED on
40	HALL LED	O	LED drive signal output of the MUSIC (D232) indicator "H": LED on
41	ENTER LED	I	Not used (fixed at "L")
42	VOL DOWN	O	Motor drive signal (volume down direction) output to the volume motor drive (IC202) "H" active
43	VOL UP	O	Motor drive signal (volume up direction) output to the volume motor drive (IC202) "H" active
44	$\overline{\text{SYS-POWER}}$	I	Power on/off switch (S200 I/⏻) input terminal "L" is input when key pressing
45	TUNER-MUTE	O	Muting control signal output to the FM/AM tuner pack "H": muting on
46	RDS CLK IN	I	RDS serial clock signal input from the RDS decoder (IC1) (Used for the STR-DE335 AEP model only) Except STR-DE335 AEP model: Not used (fixed at "L")
47	$\overline{\text{STOP}}$	I	Power down detection signal input from the reset signal generator (IC950) "L": power down, normally: "H"
48	VSS	—	Ground terminal
49	$\overline{\text{SIRCS}}$	I	Sircs remote control signal input from the remote control receiver (IC203)
50	MUTING LED	O	LED drive signal output of the MUTING indicator (D240) "L": LED on
51	5.1CH LED	O	LED drive signal output of the 5.1CH/DVD (D239) indicator "L": LED on
52	VDD	—	Power supply terminal (+5V)
53	BASS BOOST	O	Control signal output of the BASS BOOST circuit and LED drive signal output of the BASS BOOST indicator (D228) "H": BASS BOOST on (LED on)
54	FUNC. MUTE	O	Audio line muting on/off control signal output terminal "H": muting on
55	IC. MUTE	O	Muting on/off control signal output to the NJM2279D (IC251) "H": muting on (Used for the STR-DE335 and STR-V323 only)
56	VERSION	I	Setting terminal for the version
57	S2	O	Video input select signal output to the NJM2279D (IC251) *1 (Used for the STR-DE335 and STR-V323 only)
58	S1	O	Video input select signal output to the NJM2279D (IC251) *1 (Used for the STR-DE335 and STR-V323 only)
59	LED1	O	LED drive signal output of the CENTER (D233) and REAR (D237) indicators "H": LED on
60	LED2	O	LED drive signal output of the NAME (D235) and EFFECT/DELAY (D236) indicators "H": LED on
61	LED3	O	LED drive signal output of the SET UP (D234) indicator "H": LED on
62 to 70	S15 to S7	O	Segment drive signal output to the fluorescent indicator tube (FL201)
71	VLOAD	—	Negative power supply terminal for the fluorescent indicator tube drive (–24V)
72 to 77	S6 to S1	O	Segment drive signal output to the fluorescent indicator tube (FL201)
78 to 80	DIG10 to DIG8	O	Digit drive signal output to the fluorescent indicator tube (FL201)

*1 video input select signal

Input / Terminal	TV/SAT (TV/LD)	VIDEO	5.1CH/DVD
S1 (pin ⑱)	"H"	"H"	"L"
S2 (pin ⑰)	"H"	"L"	"L"

TV/SAT: STR-DE335: US, Canadian, Australian
TV/LD: STR-DE335: AEP, E, Malaysia, Singapore/STR-V323

SECTION 6
EXPLODED VIEWS

NOTE:

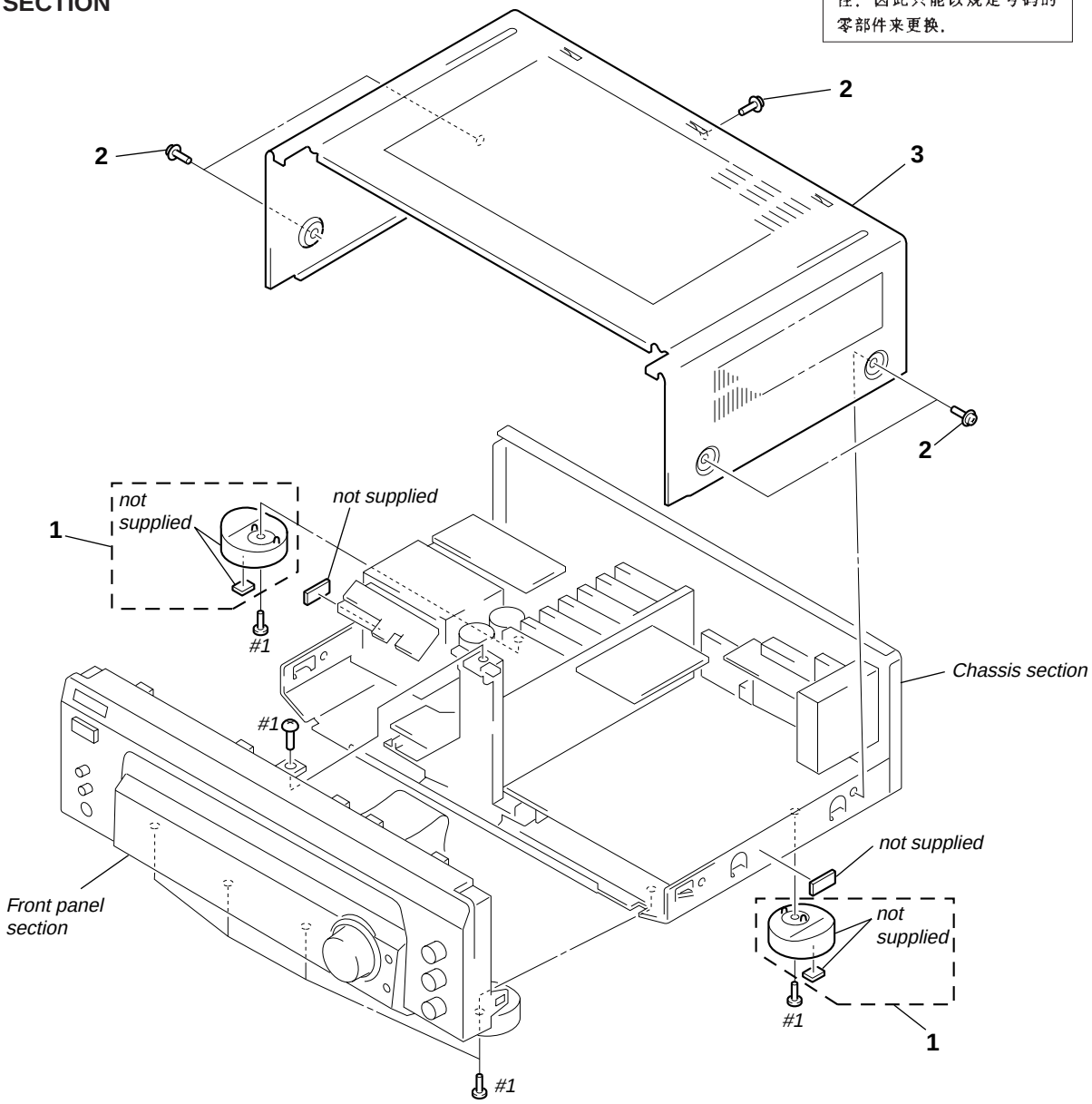
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Abbreviation
  AUS : Australian model MY : Malaysia model
  CND : Canadian model SP : Singapore model
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

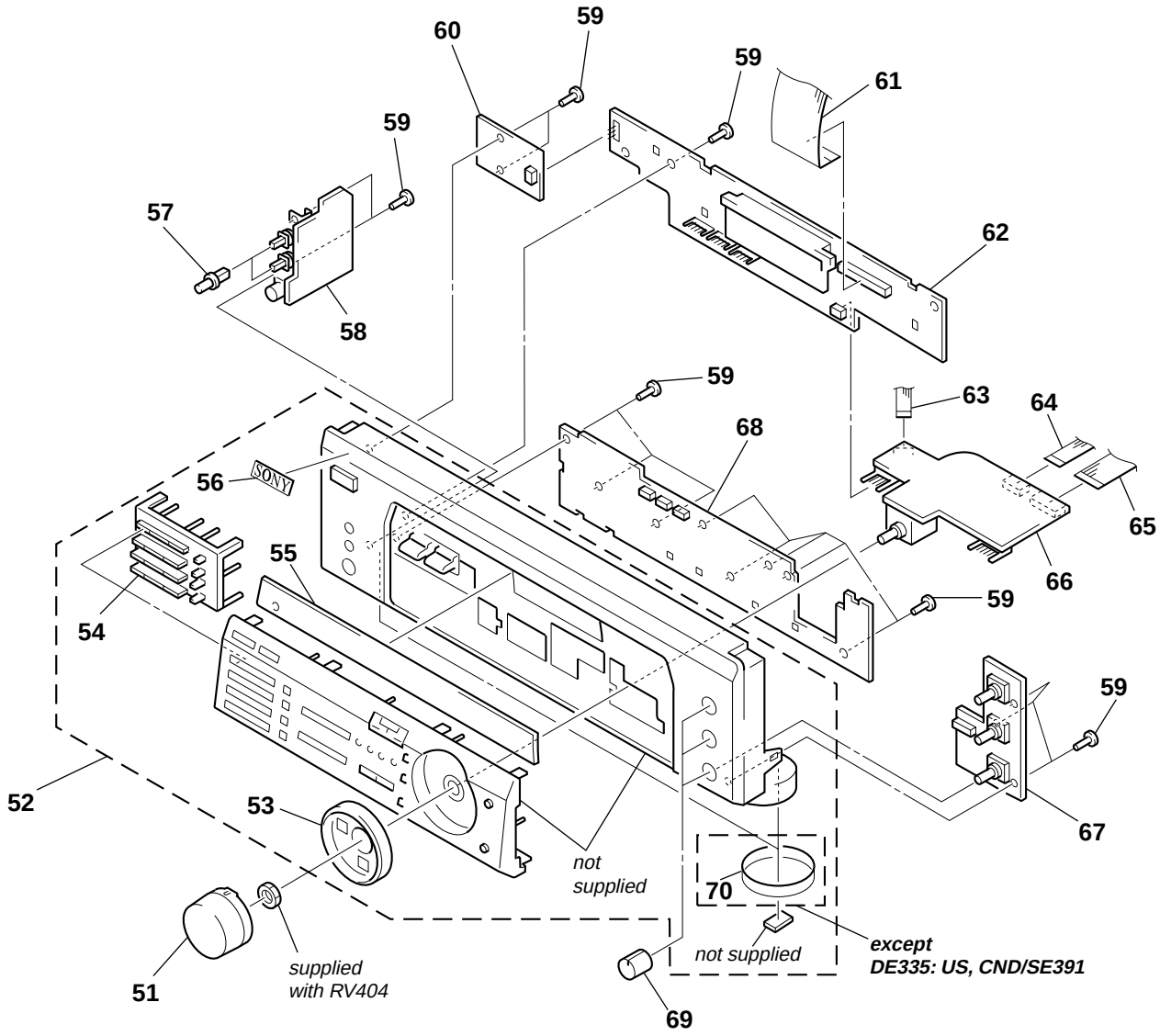
以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

(1) CASE SECTION



Ref. No.	Part No.	Description	Remark
1	X-4947-207-1	FOOT ASSY (F50150S) (DE335: AEP, E, MY, SP, AUS/V323)	
1	X-4947-208-1	FOOT ASSY (F50150S) (DE335: US, CND/SE391)	
2	4-210-291-01	SCREW (CASE 3 TP2)	
* 3	4-998-206-01	CASE (413226)	

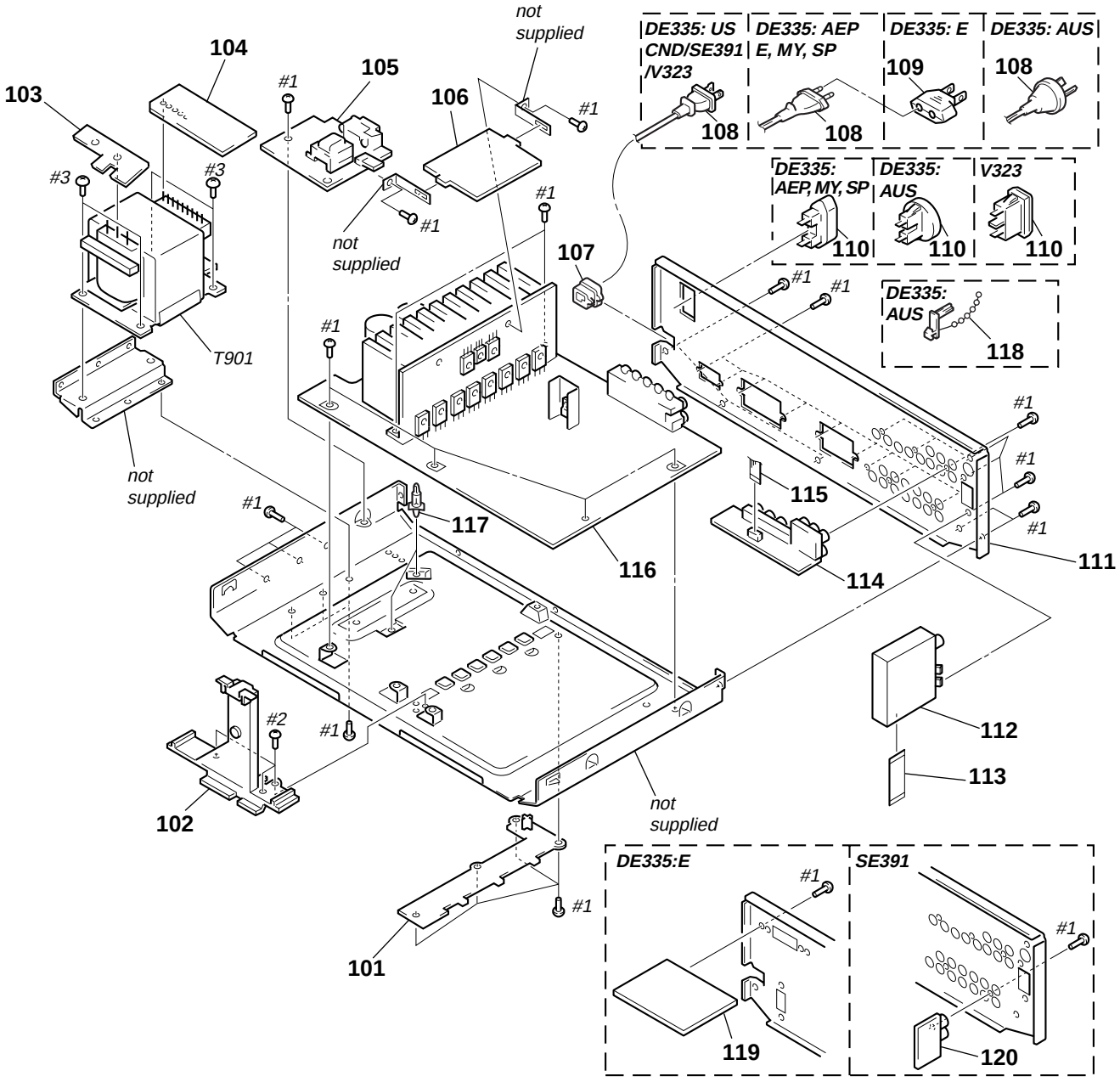
(2) FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	X-4951-035-1	KNOB (VOL) ASSY	
52	X-4951-032-1	FRONT PANEL ASSY (DE335: CND)	
52	X-4951-075-1	FRONT PANEL ASSY (DE335: AUS)	
52	X-4951-076-1	FRONT PANEL ASSY (DE335: E, MY)	
52	X-4951-089-1	FRONT PANEL ASSY (V323)	
52	X-4951-424-1	FRONT PANEL ASSY (DE335: US)	
52	X-4951-426-1	FRONT PANEL ASSY (SE391)	
52	X-4951-499-1	FRONT PANEL ASSY (DE335: AEP)	
52	X-4951-500-1	FRONT PANEL ASSY (DE335: SP)	
53	4-216-792-01	RING (VOL)	
54	4-216-779-01	BUTTON (KEY)	
55	4-216-794-01	PLATE INDICATION	
56	4-996-698-01	EMBLEM, SONY	
57	4-951-801-01	BUTTON (S)	
58	1-673-045-11	SP SW BOARD	
59	4-951-620-01	SCREW (2.6X8), +BVTP	
60	1-673-051-11	POWER SWITCH BOARD	
61	1-765-403-11	WIRE (FLAT TYPE) (29 CORE)	
62	A-4419-129-A	DISPLAY BOARD, COMPLETE (DE335: AUS)	

Ref. No.	Part No.	Description	Remark
62	A-4419-135-A	DISPLAY BOARD, COMPLETE (DE335: E)	
62	A-4419-182-A	DISPLAY BOARD, COMPLETE (SE391)	
62	A-4419-472-A	DISPLAY BOARD, COMPLETE (DE335: US, CND))	
62	A-4419-744-A	DISPLAY BOARD, COMPLETE (DE335: AEP)	
62	A-4419-752-A	DISPLAY BOARD, COMPLETE (DE335: MY, SP/V323)	
63	1-575-662-31	WIRE (FLAT TYPE) (5 CORE)	
64	1-765-314-11	WIRE (FLAT TYPE) (7 CORE)	
65	1-769-972-11	WIRE (FLAT TYPE) (13 CORE)	
66	1-673-043-11	VOLUME BOARD	
67	1-673-044-11	TONE BOARD	
68	A-4419-187-A	KEY BOARD, COMPLETE (SE391)	
68	A-4419-477-A	KEY BOARD, COMPLETE (EXCEPT DE335: AEP/SE391)	
68	A-4419-746-A	KEY BOARD, COMPLETE (DE335: AEP)	
69	4-998-717-01	KNOB (BAL)	
70	4-977-593-01	RING (DIA. 50) ORNAMENTAL (EXCEPT DE335: US, CND/SE391)	

(3) CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
101	4-217-872-11	BOTTOM COVER	
102	4-216-798-11	SUB (MOLD)	
103	1-673-050-11	PRIMARY BOARD (EXCEPT DE335: E))	
104	1-673-049-11	SECONDARY BOARD	
105	1-673-048-11	STANDBY BOARD	
106	A-4419-137-A	REAR AMP BOARD, COMPLETE (DE335: E)	
106	A-4419-192-A	REAR AMP BOARD, COMPLETE (SE391)	
106	A-4419-481-A	REAR AMP BOARD, COMPLETE	(DE335: US, CND)
106	A-4419-747-A	REAR AMP BOARD, COMPLETE (DE335: AEP)	
106	A-4419-750-A	REAR AMP BOARD, COMPLETE	(DE335: MY, SP, AUS/V323)
* 107	3-703-244-00	BUSHING (2104), CORD	
⚠108	1-777-070-21	CORD, POWER (DE335: CND)	
⚠108	1-777-071-21	CORD, POWER (DE335: AEP, E, MY, SP)	
⚠108	1-783-203-11	CORD, POWER (DE335: AUS)	
⚠108	1-783-205-11	CORD, POWER (V323)	
⚠108	1-783-820-11	CORD, POWER (DE335: US/SE391)	
⚠109	1-569-008-21	ADAPTOR, CONVERSION 2P (DE335: E)	
⚠110	1-251-416-11	OUTLET, AC (DE335: AUS)	
⚠110	1-526-794-11	OUTLET, AC (DE335: AEP, MY, SP)	
⚠110	1-526-882-00	OUTLET, AC (V323)	
111	4-218-844-11	BACK PANEL (E30) (DE335: CND)	
111	4-218-844-21	BACK PANEL (E30) (DE335: AUS)	
111	4-218-844-31	BACK PANEL (E30) (DE335: MY)	
111	4-218-844-41	BACK PANEL (E30) (V323)	
111	4-218-844-51	BACK PANEL (E30) (DE335: E)	
111	4-218-844-71	BACK PANEL (E30) (SE391)	
111	4-218-846-01	BACK PANEL (DE335: US)	
111	4-218-846-11	BACK PANEL (DE335: AEP)	
111	4-218-846-21	BACK PANEL (E30) (DE335: SP)	
112	1-693-407-43	TUNER PACK (DE335: US, CND, E/SE391)	
112	1-693-408-43	TUNER PACK (DE335: AEP, MY, SP, AUS/V323)	
113	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)	
114	1-673-053-11	VIDEO BOARD	
115	1-769-844-11	WIRE (FLAT TYPE) (5 CORE)	
116	A-4419-127-A	MAIN BOARD, COMPLETE (DE335: CND)	
116	A-4419-138-A	MAIN BOARD, COMPLETE (DE335: E)	
116	A-4419-194-A	MAIN BOARD, COMPLETE (SE391)	
116	A-4419-483-A	MAIN BOARD, COMPLETE (DE335: US)	
116	A-4419-749-A	MAIN BOARD, COMPLETE (DE335: AEP)	
116	A-4419-753-A	MAIN BOARD, COMPLETE	(DE335: MY, SP, AUS/V323)
117	4-924-098-01	HOLDER, PC BOARD	
118	4-956-370-12	BAND, PLUG FIXED (DE335: AUS)	
119	1-673-054-11	VOL SEL BOARD (DE335: E)	
120	1-673-055-11	PHONO BOARD (SE391)	
⚠T901	1-433-713-11	TRANSFORMER, POWER (DE335: US)	
⚠T901	1-433-714-11	TRANSFORMER, POWER (DE335: CND)	
⚠T901	1-433-713-21	TRANSFORMER, POWER (SE391)	
⚠T901	1-433-715-11	TRANSFORMER, POWER (DE335: AUS)	
⚠T901	1-433-716-11	TRANSFORMER, POWER	(DE335: MY, SP/V323)
⚠T901	1-433-717-11	TRANSFORMER, POWER (DE335: AEP)	
⚠T901	1-433-718-11	TRANSFORMER, POWER (DE335: E)	

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。	The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

DISPLAY

SECTION 7
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Abbreviation
  CND : Canadian model
  MY : Malaysia model
  SP : Singapore model
  AUS : Australian model
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

When indicating parts by reference number, please include the board.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description			Remark
	A-4419-129-A	DISPLAY BOARD, COMPLETE (DE335: AUS)			
	A-4419-135-A	DISPLAY BOARD, COMPLETE (DE335: E)			
	A-4419-182-A	DISPLAY BOARD, COMPLETE (SE391)			
	A-4419-472-A	DISPLAY BOARD, COMPLETE (DE335: US, CND)			
	A-4419-744-A	DISPLAY BOARD, COMPLETE (DE335: AEP)			
	A-4419-752-A	DISPLAY BOARD, COMPLETE (DE335: MY, SP/V323)			
		**********			
*	4-921-941-01	CUSHION (FL)			
*	4-943-107-11	HOLDER (FL TUBE)			
		< CAPACITOR >			
C201	1-125-486-11	DOUBLE LAYERS	0.22F		5.5V
C202	1-164-159-11	CERAMIC	0.1uF		50V
C203	1-124-465-00	ELECT	0.47uF	20%	50V
C204	1-164-159-11	CERAMIC	0.1uF		50V
C205	1-162-294-31	CERAMIC	0.001uF	10%	50V
C206	1-164-159-11	CERAMIC	0.1uF		50V
C207	1-126-096-11	ELECT	10uF	20%	35V
C208	1-126-096-11	ELECT	10uF	20%	35V
		< CONNECTOR >			
* CNP203	1-573-107-11	CONNECTOR, PC BOARD (PLUG) 4P			
CNP205	1-785-821-11	CONNECTOR, BOARD TO BOARD 6P			
CNP206	1-779-366-11	CONNECTOR, BOARD TO BOARD 4P			
CNP207	1-779-366-11	CONNECTOR, BOARD TO BOARD 4P			
CNS201	1-568-844-11	CONNECTOR, FFC 29P			
CNS202	1-770-397-11	HOUSING, CONNECTOR (PC BOARD) 4P			
		< DIODE >			
D201	8-719-991-33	DIODE 1SS133T-77			
D202	8-719-991-33	DIODE 1SS133T-77			
D203	8-719-991-33	DIODE 1SS133T-77			
D204	8-719-991-33	DIODE 1SS133T-77			
D221	8-719-991-33	DIODE 1SS133T-77 (DE335: MY, SP/V323)			
D222	8-719-991-33	DIODE 1SS133T-77 (DE335: E, MY, SP, AUS/V323)			
D223	8-719-991-33	DIODE 1SS133T-77 (DE335: AEP, AUS)			
D224	8-719-991-33	DIODE 1SS133T-77 (SE391)			
D225	8-719-991-33	DIODE 1SS133T-77 (SE391)			
D230	8-719-046-39	LED SEL5821A-TH15 (CINEMA)			
D231	8-719-046-39	LED SEL5821A-TH15 (VIRTUAL)			
D232	8-719-046-39	LED SEL5821A-TH15 (MUSIC)			
		< FLUORESCENT INDICATOR TUBE >			
FL201	1-517-662-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC201	8-759-577-78	IC uPD78045FGF-082-3B9			
IC202	8-759-962-08	IC BA6208			
IC203	8-759-332-18	IC GP1U27XB (REMOTE CONTROL RECEIVER)			
		< COIL >			
L401	1-410-509-11	INDUCTOR 10uH			
		< TRANSISTOR >			
Q201	8-729-900-63	TRANSISTOR DTA124ES			
Q202	8-729-900-36	TRANSISTOR DTC124ES			
Q230	8-729-900-36	TRANSISTOR DTC124ES			
Q231	8-729-900-36	TRANSISTOR DTC124ES			
Q232	8-729-900-36	TRANSISTOR DTC124ES			
		< RESISTOR >			
R200	1-249-433-11	CARBON	22K	5%	1/4W
R201	1-247-903-00	CARBON	1M	5%	1/4W
R202	1-249-429-11	CARBON	10K	5%	1/4W
R203	1-249-429-11	CARBON	10K	5%	1/4W
R204	1-249-425-11	CARBON	4.7K	5%	1/4W
R205	1-249-441-11	CARBON	100K	5%	1/4W
R206	1-249-433-11	CARBON	22K	5%	1/4W
R207	1-249-433-11	CARBON	22K	5%	1/4W
R209	1-249-429-11	CARBON	10K	5%	1/4W (EXCEPT DE335: AEP)
R216	1-249-433-11	CARBON	22K	5%	1/4W
R221	1-247-807-31	CARBON	100	5%	1/4W
R222	1-247-807-31	CARBON	100	5%	1/4W
R223	1-247-807-31	CARBON	100	5%	1/4W
R224	1-247-807-31	CARBON	100	5%	1/4W
R225	1-247-807-31	CARBON	100	5%	1/4W
R226	1-249-421-11	CARBON	2.2K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R227	1-249-421-11	CARBON	2.2K	5%	1/4W
R230	1-249-406-11	CARBON	120	5%	1/4W
R231	1-249-406-11	CARBON	120	5%	1/4W
R232	1-249-406-11	CARBON	120	5%	1/4W
R275	1-247-807-31	CARBON	100	5%	1/4W
R287	1-249-427-11	CARBON	6.8K	5%	1/4W
R288	1-249-427-11	CARBON	6.8K	5%	1/4W
R289	1-249-437-11	CARBON	47K	5%	1/4W
R290	1-249-427-11	CARBON	6.8K	5%	1/4W
R291	1-249-427-11	CARBON	6.8K	5%	1/4W
⚠R298	1-249-386-11	CARBON	2.7	5%	1/4W F
			(DE335: MY, SP, AUS/V323)		
⚠R299	1-249-386-11	CARBON	2.7	5%	1/4W F
			(DE335: MY, SP, AUS/V323)		
R300	1-249-429-11	CARBON	10K	5%	1/4W
			(EXCEPT DE335: AEP)		
R301	1-249-429-11	CARBON	10K	5%	1/4W
			(EXCEPT DE335: AEP)		
R303	1-249-426-11	CARBON	5.6K	5%	1/4W
		< SWITCH >			
S201	1-762-196-21	SWITCH, TACT (DISPLAY)			
		< VIBRATOR >			
X201	1-577-101-11	VIBRATOR, CERAMIC (4.19MHz)			
**********					
	A-4419-187-A	KEY BOARD, COMPLETE (SE391)			
	A-4419-477-A	KEY BOARD, COMPLETE			
		(EXCEPT DE335: AEP/SE391)			
	A-4419-746-A	KEY BOARD, COMPLETE (DE335: AEP)			
		**********			
		< CONNECTOR >			
CNS205	1-770-399-11	HOUSING, CONNECTOR (PC BOARD) 6P			
CNS206	1-770-397-11	HOUSING, CONNECTOR (PC BOARD) 4P			
CNS207	1-770-397-11	HOUSING, CONNECTOR (PC BOARD) 4P			
		< DIODE >			
D228	8-719-046-39	LED SEL5821A-TH15 (BASS BOOST)			
D233	8-719-046-39	LED SEL5821A-TH15 (CENTER)			
D234	8-719-046-39	LED SEL5821A-TH15 (SET UP)			
D235	8-719-046-39	LED SEL5821A-TH15 (NAME)			
D236	8-719-046-39	LED SEL5821A-TH15 (EFFECT/DELAY)			
D237	8-719-046-39	LED SEL5821A-TH15 (REAR)			
D239	8-719-046-39	LED SEL5821A-TH15 (5.1CH/DVD)			
D240	8-719-046-39	LED SEL5821A-TH15 (MUTING)			
D241	8-719-911-19	DIODE 1SS119			
		< TRANSISTOR >			
Q233	8-729-900-63	TRANSISTOR DTA124ES			
Q234	8-729-900-36	TRANSISTOR DTC124ES			
Q235	8-729-900-36	TRANSISTOR DTC124ES			
Q236	8-729-900-36	TRANSISTOR DTC124ES			
Q237	8-729-900-63	TRANSISTOR DTA124ES			
Q239	8-729-900-36	TRANSISTOR DTC124ES			
Q240	8-729-900-63	TRANSISTOR DTA124ES			
Q241	8-729-900-63	TRANSISTOR DTA124ES			
Q242	8-729-900-36	TRANSISTOR DTC124ES			

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R228	1-249-406-11	CARBON	120	5%	1/4W
R233	1-249-406-11	CARBON	120	5%	1/4W
R234	1-249-406-11	CARBON	120	5%	1/4W
R235	1-249-406-11	CARBON	120	5%	1/4W
R236	1-249-406-11	CARBON	120	5%	1/4W
R237	1-249-406-11	CARBON	120	5%	1/4W
R239	1-249-406-11	CARBON	120	5%	1/4W
R240	1-249-406-11	CARBON	120	5%	1/4W
R248	1-249-411-11	CARBON	330	5%	1/4W
R249	1-249-413-11	CARBON	470	5%	1/4W
R250	1-249-415-11	CARBON	680	5%	1/4W
R251	1-249-417-11	CARBON	1K	5%	1/4W
R252	1-249-419-11	CARBON	1.5K	5%	1/4W
R253	1-249-421-11	CARBON	2.2K	5%	1/4W
R254	1-247-843-11	CARBON	3.3K	5%	1/4W
R255	1-249-425-11	CARBON	4.7K	5%	1/4W
R256	1-249-429-11	CARBON	10K	5%	1/4W
R257	1-249-411-11	CARBON	330	5%	1/4W
R258	1-249-413-11	CARBON	470	5%	1/4W
R259	1-249-415-11	CARBON	680	5%	1/4W
R260	1-249-417-11	CARBON	1K	5%	1/4W
R261	1-249-419-11	CARBON	1.5K	5%	1/4W
R262	1-249-421-11	CARBON	2.2K	5%	1/4W
R263	1-247-843-11	CARBON	3.3K	5%	1/4W
R264	1-249-425-11	CARBON	4.7K	5%	1/4W
R265	1-249-429-11	CARBON	10K	5%	1/4W
R266	1-249-411-11	CARBON	330	5%	1/4W
R267	1-249-413-11	CARBON	470	5%	1/4W
R268	1-249-415-11	CARBON	680	5%	1/4W
R269	1-249-417-11	CARBON	1K	5%	1/4W
R270	1-249-419-11	CARBON	1.5K	5%	1/4W
R271	1-249-421-11	CARBON	2.2K	5%	1/4W
R272	1-247-843-11	CARBON	3.3K	5%	1/4W
R273	1-249-425-11	CARBON	4.7K	5%	1/4W
R274	1-249-429-11	CARBON	10K	5%	1/4W
R276	1-247-863-91	CARBON	22K	5%	1/4W
					(SE391)
R277	1-249-411-11	CARBON	330	5%	1/4W
R278	1-249-413-11	CARBON	470	5%	1/4W
R279	1-249-415-11	CARBON	680	5%	1/4W
R280	1-249-417-11	CARBON	1K	5%	1/4W
R281	1-249-419-11	CARBON	1.5K	5%	1/4W
R282	1-249-421-11	CARBON	2.2K	5%	1/4W
R283	1-247-843-11	CARBON	3.3K	5%	1/4W
R284	1-249-425-11	CARBON	4.7K	5%	1/4W
R285	1-249-429-11	CARBON	10K	5%	1/4W
R286	1-249-433-11	CARBON	22K	5%	1/4W
		< SWITCH >			
S202	1-762-196-21	SWITCH, TACT (AM) (EXCEPT AEP)			
S202	1-762-196-21	SWITCH, TACT (RDS EON) (AEP)			
S203	1-762-196-21	SWITCH, TACT (3)			
S204	1-762-196-21	SWITCH, TACT (2)			
S205	1-762-196-21	SWITCH, TACT (1)			
S206	1-762-196-21	SWITCH, TACT (TUNING -)			

KEY **MAIN**

Ref. No.	Part No.	Description	Remark
S207	1-762-196-21	SWITCH, TACT (TUNING +)	
S208	1-762-196-21	SWITCH, TACT (PRESET/TUNING -)	(EXCEPT AEP)
S208	1-762-196-21	SWITCH, TACT (PRESET/PTY SELECT -) (AEP)	
S209	1-762-196-21	SWITCH, TACT (PRESET/TUNING +)	(EXCEPT AEP)
S209	1-762-196-21	SWITCH, TACT (PRESET/PTY SELECT +) (AEP)	
S210	1-762-196-21	SWITCH, TACT (DIRECT)	
S211	1-762-196-21	SWITCH, TACT (FM) (EXCEPT AEP)	
S211	1-762-196-21	SWITCH, TACT (FM/AM) (AEP)	
S212	1-762-196-21	SWITCH, TACT (6)	
S213	1-762-196-21	SWITCH, TACT (5)	
S214	1-762-196-21	SWITCH, TACT (4)	
S215	1-762-196-21	SWITCH, TACT (7)	
S216	1-762-196-21	SWITCH, TACT (8)	
S217	1-762-196-21	SWITCH, TACT (9)	
S218	1-762-196-21	SWITCH, TACT (FM MODE)	
S219	1-762-196-21	SWITCH, TACT (VIDEO)	
S220	1-762-196-21	SWITCH, TACT (CD) (DE335/V323)	
S221	1-762-196-21	SWITCH, TACT (CD) (SE391)	
S222	1-762-196-21	SWITCH, TACT (BASS BOOST)	
S223	1-762-196-21	SWITCH, TACT (MUTING)	
S224	1-762-196-21	SWITCH, TACT (SHIFT)	
S225	1-762-196-21	SWITCH, TACT (0)	
S226	1-762-196-21	SWITCH, TACT (MEMORY)	
S227	1-762-196-21	SWITCH, TACT (TUNER) (DE335/V323)	
S228	1-762-196-21	SWITCH, TACT (TUNER) (SE391)	
S229	1-762-196-21	SWITCH, TACT (MD/TAPE)	
S230	1-762-196-21	SWITCH, TACT (TV/SAT)	(DE335: US, CND, AUS/SE391)
S230	1-762-196-21	SWITCH, TACT (TV/LD)	(DE335: AEP, E, MY, SP/V323)
S231	1-762-196-21	SWITCH, TACT (RDS PTY) (DE335: AEP)	
S232	1-762-196-21	SWITCH, TACT (5.1CH/DVD)	
S234	1-762-196-21	SWITCH, TACT (SET UP)	
S235	1-762-196-21	SWITCH, TACT (NAME)	
S236	1-762-196-21	SWITCH, TACT (ENTER)	
S237	1-762-196-21	SWITCH, TACT (+)	
S238	1-762-196-21	SWITCH, TACT (-)	
S239	1-762-196-21	SWITCH, TACT (EFFECT/DELAY)	
S240	1-762-196-21	SWITCH, TACT (CENTER)	
S241	1-762-196-21	SWITCH, TACT (REAR)	
S242	1-762-196-21	SWITCH, TACT (SOUND FIELD + MODE)	
S243	1-762-196-21	SWITCH, TACT (SOUND FIELD ON/OFF)	
S244	1-762-196-21	SWITCH, TACT (SOUND FIELD - MODE)	
S245	1-762-196-21	SWITCH, TACT (PHONO) (SE391)	
**********			
	A-4419-127-A	MAIN BOARD, COMPLETE (DE335: CND)	
	A-4419-138-A	MAIN BOARD, COMPLETE (DE335: E)	
	A-4419-194-A	MAIN BOARD, COMPLETE (SE391)	
	A-4419-483-A	MAIN BOARD, COMPLETE (DE335: US)	
	A-4419-749-A	MAIN BOARD, COMPLETE (DE335: AEP)	
	A-4419-753-A	MAIN BOARD, COMPLETE	(DE335: MY, SP, AUS/V323)
	**********		
	3-905-609-01	SCREW (TRANSISTOR)	
	4-812-134-00	RIVET (DIA. 3.5), NYLON	
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

Ref. No.	Part No.	Description			Remark
	7-685-872-09	SCREW +BVTT 3X8 (S)			
		< CAPACITOR >			
C3	1-162-288-31	CERAMIC	330PF	10%	50V (DE335: AEP)
C4	1-126-961-11	ELECT	2.2uF	20%	50V (DE335: AEP)
C5	1-162-306-11	CERAMIC	0.01uF	20%	16V (DE335: AEP)
C6	1-162-291-31	CERAMIC	560PF	10%	50V (DE335: AEP)
C7	1-102-527-11	CERAMIC	82PF	5%	50V (DE335: AEP)
C8	1-102-852-91	CERAMIC	47PF	5%	50V (DE335: AEP)
C9	1-126-960-11	ELECT	1uF	20%	50V (DE335: AEP)
C302	1-126-959-11	ELECT	0.47uF	20%	50V
C303	1-130-494-11	MYLAR	0.082uF	5%	50V
C304	1-137-367-11	FILM	0.0033uF	5%	50V
C305	1-130-494-11	MYLAR	0.082uF	5%	50V
C307	1-126-795-11	ELECT	10uF	20%	50V
C308	1-126-795-11	ELECT	10uF	20%	50V
C309	1-137-358-11	FILM	0.0001uF	5%	50V
C310	1-126-795-11	ELECT	10uF	20%	50V
C311	1-126-795-11	ELECT	10uF	20%	50V
C312	1-126-934-11	ELECT	220uF	20%	10V
C313	1-124-252-00	ELECT	0.33uF	20%	50V
C314	1-136-165-00	FILM	0.1uF	5%	50V
C315	1-164-159-11	CERAMIC	0.1uF		50V
C316	1-126-961-11	ELECT	2.2uF	20%	50V
C319	1-102-951-00	CERAMIC	15PF	5%	50V
C320	1-102-852-91	CERAMIC	47PF	5%	50V
C322	1-126-795-11	ELECT	10uF	20%	50V
C323	1-126-925-11	ELECT	470uF	20%	10V
C324	1-126-934-11	ELECT	220uF	20%	10V
C325	1-136-165-00	FILM	0.1uF	5%	50V
C326	1-136-165-00	FILM	0.1uF	5%	50V
C327	1-126-959-11	ELECT	0.47uF	20%	50V
C328	1-126-963-11	ELECT	4.7uF	20%	50V
C329	1-126-959-11	ELECT	0.47uF	20%	50V
C330	1-126-963-11	ELECT	4.7uF	20%	50V
C331	1-124-250-11	ELECT	0.15uF	20%	50V
C332	1-126-962-11	ELECT	3.3uF	20%	50V
C333	1-124-250-11	ELECT	0.15uF	20%	50V
C334	1-137-372-11	FILM	0.022uF	5%	50V
C335	1-136-161-00	FILM	0.047uF	5%	50V
C336	1-126-959-11	ELECT	0.47uF	20%	50V
C337	1-126-795-11	ELECT	10uF	20%	50V
C338	1-126-795-11	ELECT	10uF	20%	50V
C339	1-126-795-11	ELECT	10uF	20%	50V
C340	1-126-795-11	ELECT	10uF	20%	50V
C341	1-126-925-11	ELECT	470uF	20%	10V
C342	1-126-962-11	ELECT	3.3uF	20%	50V
C343	1-126-962-11	ELECT	3.3uF	20%	50V
C344	1-136-165-00	FILM	0.1uF	5%	50V
C345	1-136-165-00	FILM	0.1uF	5%	50V
C346	1-126-959-11	ELECT	0.47uF	20%	50V

Ref. No.	Part No.	Description			Remark
C347	1-126-963-11	ELECT	4.7uF	20%	50V
C348	1-126-959-11	ELECT	0.47uF	20%	50V
C349	1-126-963-11	ELECT	4.7uF	20%	50V
C350	1-124-250-11	ELECT	0.15uF	20%	50V
C351	1-126-962-11	ELECT	3.3uF	20%	50V
C352	1-136-165-00	FILM	0.1uF	5%	50V
C353	1-102-973-00	CERAMIC	100PF	5%	50V
C357	1-164-159-11	CERAMIC	0.1uF		50V
C358	1-126-963-11	ELECT	4.7uF	20%	50V
C359	1-126-963-11	ELECT	4.7uF	20%	50V
C360	1-126-963-11	ELECT	4.7uF	20%	50V
C361	1-164-159-11	CERAMIC	0.1uF		50V
C362	1-164-159-11	CERAMIC	0.1uF		50V
C363	1-164-159-11	CERAMIC	0.1uF		50V
C364	1-164-159-11	CERAMIC	0.1uF		50V
C365	1-164-159-11	CERAMIC	0.1uF		50V
C366	1-164-159-11	CERAMIC	0.1uF		50V
C367	1-137-358-11	FILM	0.0001uF	5%	50V
C368	1-126-934-11	ELECT	220uF	20%	16V
C369	1-136-177-00	FILM	1uF	5%	50V
C370	1-130-481-00	MYLAR	0.0068uF	5%	50V
C371	1-124-250-11	ELECT	0.15uF	20%	50V
C372	1-137-358-11	FILM	0.0001uF	5%	50V
C376	1-136-177-00	FILM	1uF	5%	50V
C377	1-136-177-00	FILM	1uF	5%	50V
C378	1-102-518-11	CERAMIC	33PF	5%	50V
C379	1-136-165-00	FILM	0.1uF	5%	50V
C380	1-136-177-00	FILM	1uF	5%	50V
C381	1-164-159-11	CERAMIC	0.1uF		50V
C382	1-102-953-00	CERAMIC	18PF	5%	50V
C406	1-164-159-11	CERAMIC	0.1uF		50V
C408	1-162-294-31	CERAMIC	0.001uF	10%	50V
C412	1-162-291-31	CERAMIC	560PF	10%	50V
C413	1-164-159-11	CERAMIC	0.1uF		50V
C415	1-164-159-11	CERAMIC	0.1uF		50V
C416	1-164-159-11	CERAMIC	0.1uF		50V
C427	1-124-252-00	ELECT	0.33uF	20%	50V
C428	1-130-489-00	MYLAR	0.033uF	5%	50V
C429	1-102-973-00	CERAMIC	100PF	5%	50V
C434	1-162-286-31	CERAMIC	220PF	10%	50V
C435	1-162-286-31	CERAMIC	220PF	10%	50V
C447	1-164-159-11	CERAMIC	0.1uF		50V
C477	1-124-252-00	ELECT	0.33uF	20%	50V
C478	1-130-489-00	MYLAR	0.033uF	5%	50V
C479	1-102-973-00	CERAMIC	100PF	5%	50V
C492	1-124-464-11	ELECT	0.22uF	20%	50V
C602	1-162-282-31	CERAMIC	100PF	10%	50V
C603	1-104-665-11	ELECT	100uF	20%	10V
C605	1-102-233-00	CERAMIC	33PF	10%	500V
C610	1-104-664-11	ELECT	47uF	20%	16V
C611	1-137-372-11	FILM	0.022uF	5%	50V
C620	1-162-286-31	CERAMIC	220PF	10%	50V
C652	1-162-282-31	CERAMIC	100PF	10%	50V
C653	1-104-665-11	ELECT	100uF	20%	10V
C655	1-102-233-00	CERAMIC	33PF	10%	500V
C660	1-104-664-11	ELECT	47uF	20%	16V
C661	1-137-372-11	FILM	0.022uF	5%	50V

Ref. No.	Part No.	Description			Remark
C670	1-162-286-31	CERAMIC	220PF	10%	50V
C702	1-162-282-31	CERAMIC	100PF	10%	50V
C703	1-104-665-11	ELECT	100uF	20%	10V
C704	1-104-664-11	ELECT	47uF	20%	16V
C705	1-102-233-00	CERAMIC	33PF	10%	500V
C710	1-104-664-11	ELECT	47uF	20%	16V
C711	1-137-372-11	FILM	0.022uF	5%	50V
C720	1-162-286-31	CERAMIC	220PF	10%	50V
C721	1-126-934-11	ELECT	220uF	20%	10V
C722	1-126-795-11	ELECT	10uF	20%	50V
C740	1-128-560-11	ELECT	22uF	20%	100V
C741	1-128-560-11	ELECT	22uF	20%	100V
C742	1-126-925-11	ELECT	470uF	20%	10V
C743	1-126-925-11	ELECT	470uF	20%	10V
C752	1-162-282-31	CERAMIC	100PF	10%	50V
C753	1-104-665-11	ELECT	100uF	20%	10V
C754	1-104-664-11	ELECT	47uF	20%	16V
C755	1-102-233-00	CERAMIC	33PF	10%	500V
C760	1-104-664-11	ELECT	47uF	20%	16V
C761	1-137-372-11	FILM	0.022uF	5%	50V
C770	1-162-286-31	CERAMIC	220PF	10%	50V
C801	1-104-664-11	ELECT	47uF	20%	25V
C802	1-104-664-11	ELECT	47uF	20%	25V
C803	1-107-766-11	ELECT (BLOCK)	8200uF	20%	71V
			(DE335: AEP, MY, SP, AUS/V323)		
C803	1-125-897-11	ELECT	10000uF	20%	71V
			(DE335: US, CND, E/SE391)		
C804	1-107-766-11	ELECT (BLOCK)	8200uF	20%	71V
			(DE335: AEP, MY, SP, AUS/V323)		
C804	1-125-897-11	ELECT	10000uF	20%	71V
			(DE335: US, CND, E/SE391)		
C805	1-130-781-00	MYLAR	0.22uF	5%	100V
			(DE335: AEP, MY, SP, AUS/V323)		
C805	1-137-420-11	FILM	0.047uF	10%	100V
			(DE335: US, CND, E/SE391)		
C806	1-130-781-00	MYLAR	0.22uF	5%	100V
			(DE335: AEP, MY, SP, AUS/V323)		
C806	1-137-420-11	FILM	0.047uF	10%	100V
			(DE335: US, CND, E/SE391)		
C807	1-126-924-11	ELECT	330uF	20%	10V
C808	1-126-924-11	ELECT	330uF	20%	10V
C809	1-126-960-11	ELECT	1uF	20%	50V
C810	1-126-960-11	ELECT	1uF	20%	50V
C811	1-128-550-11	ELECT	2200uF	20%	50V
C812	1-126-941-11	ELECT	470uF	20%	25V
C813	1-101-001-00	CERAMIC	0.001uF		50V
C814	1-101-001-00	CERAMIC	0.001uF		50V
C815	1-126-960-11	ELECT	1uF	20%	50V
C816	1-104-664-11	ELECT	47uF	20%	25V
C820	1-161-494-00	CERAMIC	0.022uF		25V
C821	1-161-494-00	CERAMIC	0.022uF		25V
C822	1-107-704-11	ELECT	470uF	20%	25V
C825	1-126-960-11	ELECT	1uF	20%	50V
C826	1-104-664-11	ELECT	47uF	20%	25V
C827	1-126-960-11	ELECT	1uF	20%	50V
C950	1-126-767-11	ELECT	1000uF	20%	16V
C951	1-164-097-11	CERAMIC	0.022uF		50V
C952	1-126-960-11	ELECT	1uF	20%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C953	1-124-464-11	ELECT	0.22uF	20% 50V	
C954	1-126-795-11	ELECT	10uF	20% 50V	
C955	1-164-159-11	CERAMIC	0.1uF	50V	
C957	1-164-159-11	CERAMIC	0.1uF	50V	
C958	1-164-159-11	CERAMIC	0.1uF	50V	
CC02	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC03	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC04	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC05	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC06	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC07	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC12	1-164-096-11	CERAMIC	0.01uF	50V	(DE335: AEP)
CC13	1-164-096-11	CERAMIC	0.01uF	50V	(DE335: AEP)
CC52	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC53	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC54	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC55	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC56	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC57	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC62	1-164-096-11	CERAMIC	0.01uF	50V	(DE335: AEP)
CC63	1-164-096-11	CERAMIC	0.01uF	50V	(DE335: AEP)
		< CONNECTOR >			
CN501	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
CN502	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
CNS204	1-568-844-11	CONNECTOR, FFC 29P			
CNS251	1-568-848-11	SOCKET, CONNECTOR 5P (DE335/V323)			
CNS401	1-569-321-11	SOCKET, CONNECTOR 15P			
CNS403	1-568-443-11	SOCKET, CONNECTOR 13P			
CNS505	1-750-180-11	PIN, CONNECTOR (PC BOARD) 5P (SE391)			
CNS701	1-568-439-11	SOCKET, CONNECTOR 7P			
CNS702	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
CNS802	1-770-480-11	SOCKET, CONNECTOR PIN 4P			
		< DIODE >			
D300	8-719-070-77	DIODE SVC201SPA-M1-AC			
D310	8-719-911-19	DIODE 1SS119			
D311	8-719-911-19	DIODE 1SS119			
D312	8-719-911-19	DIODE 1SS119			
D421	8-719-911-19	DIODE 1SS119			
D510	8-719-911-19	DIODE 1SS119			
D610	8-719-911-19	DIODE 1SS119			
D710	8-719-911-19	DIODE 1SS119			
D721	8-719-911-19	DIODE 1SS119			
D722	8-719-911-19	DIODE 1SS119			

Ref. No.	Part No.	Description	Remark
D723	8-719-911-19	DIODE 1SS119	
D724	8-719-911-19	DIODE 1SS119	
D725	8-719-911-19	DIODE 1SS119	
D726	8-719-911-19	DIODE 1SS119	
D727	8-719-911-19	DIODE 1SS119	
D728	8-719-911-19	DIODE 1SS119	
D801	8-719-986-54	DIODE HZS24-1LTA	
D802	8-719-302-38	DIODE RBV-602-01	
D803	8-719-302-38	DIODE RBV-602-01	(DE335: AEP, MY, SP, AUS/V323)
D804	8-719-109-85	DIODE RD5.1ES-B2	
D810	8-719-024-99	DIODE 11ES2-NTA2B	
D811	8-719-024-99	DIODE 11ES2-NTA2B	
D812	8-719-024-99	DIODE 11ES2-NTA2B	
D813	8-719-024-99	DIODE 11ES2-NTA2B	
D814	8-719-911-19	DIODE 1SS119	
D815	8-719-911-19	DIODE 1SS119	
D818	8-719-911-19	DIODE 1SS119	
D820	8-719-024-99	DIODE 11ES2-NTA2B	
D821	8-719-024-99	DIODE 11ES2-NTA2B	
D822	8-719-024-99	DIODE 11ES2-NTA2B	
D823	8-719-024-99	DIODE 11ES2-NTA2B	
		< TERMINAL EARTH >	
* G200	1-537-738-21	TERMINAL, EARTH	
* G201	1-537-738-21	TERMINAL, EARTH	
* G202	1-537-738-21	TERMINAL, EARTH	
* G203	1-537-738-21	TERMINAL, EARTH	
		< IC >	
IC1	8-759-450-86	IC BU1922 (DE335: AEP)	
IC300	8-759-528-35	IC CXA8079S	
IC301	8-759-579-62	IC LV1018	
IC302	8-759-636-74	IC M5218AP-22	
IC401	8-759-545-64	IC LC78212	
IC502	8-759-636-74	IC M5218AP-22	
IC701	8-759-326-52	IC uPC2581V	
IC702	8-759-326-52	IC uPC2581V	
IC801	8-759-604-39	IC M5F78M12	
IC802	8-759-604-45	IC M5F79M12	
IC803	8-759-604-35	IC M5F78M05L	
IC804	8-759-604-35	IC M5F78M05L	
IC805	8-759-604-38	IC M5F78M10	
IC950	8-759-333-83	IC NJM2103D	
		< JACK >	
J253	1-774-785-11	JACK, PIN 1P (WOOFER AUDIO OUT)	
J401	1-691-887-11	JACK, PIN 6P (CD IN, MD/TAPE REC OUT, MD/TAPE IN) (DE335: CND)	
J401	1-774-411-11	JACK, PIN 6P (CD IN, MD/TAPE REC OUT, MD/TAPE IN) (EXCEPT DE335: CND)	
J402	1-580-825-11	JACK, PIN 6P (TV/SAT AUDIO IN, VIDEO AUDIO IN/OUT) (DE335: CND)	
J402	1-770-015-11	JACK, PIN 6P (TV/SAT AUDIO IN, VIDEO AUDIO IN/OUT) (EXCEPT DE335: CND, AEP)	
J402	1-770-015-11	JACK, PIN 6P (TV/LD AUDIO IN, VIDEO AUDIO IN/OUT) (DE335: AEP)	

Ref. No.	Part No.	Description				Remark
		< COIL >				
L1	1-410-521-11	INDUCTOR	100uH (DE335: AEP)			
L301	1-410-509-11	INDUCTOR	10uH			
L501	1-420-872-00	COIL, AIR-CORE				
L601	1-420-872-00	COIL, AIR-CORE				
L651	1-420-872-00	COIL, AIR-CORE				
L701	1-420-872-00	COIL, AIR-CORE				
L751	1-420-872-00	COIL, AIR-CORE				
		< TRANSISTOR/IC >				
Q361	8-729-141-30	TRANSISTOR	2SC3623A-LK			
Q362	8-729-141-30	TRANSISTOR	2SC3623A-LK			
Q363	8-729-141-30	TRANSISTOR	2SC3623A-LK			
Q364	8-729-141-30	TRANSISTOR	2SC3623A-LK			
Q365	8-729-141-30	TRANSISTOR	2SC3623A-LK			
Q366	8-729-141-30	TRANSISTOR	2SC3623A-LK			
Q367	8-729-119-78	TRANSISTOR	2SC403SP-51			
Q401	8-729-202-67	FET	2SK246-GR3			
Q402	8-729-141-30	TRANSISTOR	2SC3623A-LK			
Q451	8-729-202-67	FET	2SK246-GR3			
Q452	8-729-141-30	TRANSISTOR	2SC3623A-LK			
Q510	8-729-119-78	TRANSISTOR	2SC403SP-51			
Q601	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q602	8-729-141-30	TRANSISTOR	2SC3623A-LK			
Q603	8-749-010-25	IC	MN2488-OPY-M			
Q604	8-749-010-26	IC	MP1620-OPY-M			
Q610	8-729-119-78	TRANSISTOR	2SC403SP-51			
Q620	8-729-140-82	TRANSISTOR	2SA988-PAFAEA			
Q651	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q652	8-729-141-30	TRANSISTOR	2SC3623A-LK			
Q653	8-749-010-25	IC	MN2488-OPY-M			
Q654	8-749-010-26	IC	MP1620-OPY-M			
Q670	8-729-140-82	TRANSISTOR	2SA988-PAFAEA			
Q701	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q702	8-729-141-30	TRANSISTOR	2SC3623A-LK			
Q703	8-749-010-25	IC	MN2488-OPY-M			
Q704	8-749-010-26	IC	MP1620-OPY-M			
Q710	8-729-119-78	TRANSISTOR	2SC403SP-51			
Q720	8-729-140-82	TRANSISTOR	2SA988-PAFAEA			
Q721	8-729-140-82	TRANSISTOR	2SA988-PAFAEA			
Q722	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA			
Q723	8-729-119-78	TRANSISTOR	2SC403SP-51			
Q751	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q752	8-729-141-30	TRANSISTOR	2SC3623A-LK			
Q753	8-749-010-25	IC	MN2488-OPY-M			
Q754	8-749-010-26	IC	MP1620-OPY-M			
Q770	8-729-140-82	TRANSISTOR	2SA988-PAFAEA			
Q801	8-729-140-97	TRANSISTOR	2SB734-34			
Q802	8-729-119-78	TRANSISTOR	2SC403SP-51			
Q809	8-729-119-78	TRANSISTOR	2SC403SP-51			
Q951	8-729-026-68	TRANSISTOR	2SD2525 (TP)			
		< RESISTOR >				
R5	1-249-421-11	CARBON	2.2K	5%	1/4W (DE335: AEP)	
R6	1-247-807-31	CARBON	100	5%	1/4W (DE335: AEP)	
R7	1-247-807-31	CARBON	100	5%	1/4W (DE335: AEP)	
R303	1-249-439-11	CARBON	68K	5%	1/4W	
R306	1-249-436-11	CARBON	39K	5%	1/4W	
R342	1-249-441-11	CARBON	100K	5%	1/4W	
R343	1-249-441-11	CARBON	100K	5%	1/4W	
R351	1-249-417-11	CARBON	1K	5%	1/4W	
R352	1-249-417-11	CARBON	1K	5%	1/4W	
R353	1-249-417-11	CARBON	1K	5%	1/4W	
R354	1-249-417-11	CARBON	1K	5%	1/4W	
R355	1-249-417-11	CARBON	1K	5%	1/4W	
R356	1-249-417-11	CARBON	1K	5%	1/4W	
R357	1-249-429-11	CARBON	10K	5%	1/4W	
R358	1-249-439-11	CARBON	68K	5%	1/4W	
R359	1-249-425-11	CARBON	4.7K	5%	1/4W	
R360	1-249-425-11	CARBON	4.7K	5%	1/4W	
R361	1-249-425-11	CARBON	4.7K	5%	1/4W	
R362	1-249-425-11	CARBON	4.7K	5%	1/4W	
R363	1-249-425-11	CARBON	4.7K	5%	1/4W	
R364	1-249-425-11	CARBON	4.7K	5%	1/4W	
R365	1-249-425-11	CARBON	4.7K	5%	1/4W	
R366	1-249-425-11	CARBON	4.7K	5%	1/4W	
R367	1-249-438-11	CARBON	56K	5%	1/4W	
R368	1-249-425-11	CARBON	4.7K	5%	1/4W	
R369	1-249-439-11	CARBON	68K	5%	1/4W	
R370	1-249-429-11	CARBON	10K	5%	1/4W	
R372	1-249-441-11	CARBON	100K	5%	1/4W	
R374	1-249-429-11	CARBON	10K	5%	1/4W	
R375	1-249-429-11	CARBON	10K	5%	1/4W	
R380	1-249-441-11	CARBON	100K	5%	1/4W	
R381	1-249-441-11	CARBON	100K	5%	1/4W	
⚠R397	1-249-410-11	CARBON	270	5%	1/4W	F
R399	1-249-426-11	CARBON	5.6K	5%	1/4W	
R402	1-249-417-11	CARBON	1K	5%	1/4W	
R403	1-249-417-11	CARBON	1K	5%	1/4W	
R404	1-249-417-11	CARBON	1K	5%	1/4W	
R405	1-249-417-11	CARBON	1K	5%	1/4W	
R406	1-249-417-11	CARBON	1K	5%	1/4W	
R407	1-249-417-11	CARBON	1K	5%	1/4W	
R414	1-249-425-11	CARBON	4.7K	5%	1/4W	
R415	1-249-417-11	CARBON	1K	5%	1/4W	
R431	1-247-843-11	CARBON	3.3K	5%	1/4W	
R432	1-247-883-00	CARBON	150K	5%	1/4W	
R433	1-249-427-11	CARBON	6.8K	5%	1/4W	
R434	1-249-413-11	CARBON	470	5%	1/4W	
R435	1-249-418-11	CARBON	1.2K	5%	1/4W	
R438	1-249-441-11	CARBON	100K	5%	1/4W	
R441	1-249-441-11	CARBON	100K	5%	1/4W	
R442	1-249-418-11	CARBON	1.2K	5%	1/4W	
R443	1-249-418-11	CARBON	1.2K	5%	1/4W	
R444	1-247-903-00	CARBON	1M	5%	1/4W	
R447	1-249-436-11	CARBON	39K	5%	1/4W	
R448	1-249-436-11	CARBON	39K	5%	1/4W	
R449	1-249-433-11	CARBON	22K	5%	1/4W	
R452	1-249-417-11	CARBON	1K	5%	1/4W	
R453	1-249-417-11	CARBON	1K	5%	1/4W	
R454	1-249-417-11	CARBON	1K	5%	1/4W	

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

MAIN

Ref. No.	Part No.	Description			Remark
R455	1-249-417-11	CARBON	1K	5%	1/4W
R456	1-249-417-11	CARBON	1K	5%	1/4W
R457	1-249-417-11	CARBON	1K	5%	1/4W
R464	1-247-903-00	CARBON	1M	5%	1/4W
R465	1-249-417-11	CARBON	1K	5%	1/4W
R469	1-247-903-00	CARBON	1M	5%	1/4W
R481	1-247-843-11	CARBON	3.3K	5%	1/4W
R482	1-247-883-00	CARBON	150K	5%	1/4W
R483	1-249-427-11	CARBON	6.8K	5%	1/4W
R484	1-249-413-11	CARBON	470	5%	1/4W
R491	1-249-441-11	CARBON	100K	5%	1/4W
R492	1-247-903-00	CARBON	1M	5%	1/4W
R494	1-247-903-00	CARBON	1M	5%	1/4W
R518	1-249-389-11	CARBON	4.7	5%	1/4W
⚠R519	1-249-403-11	CARBON	68	5%	1/4W F
⚠R523	1-249-403-11	CARBON	68	5%	1/4W F
R530	1-249-426-11	CARBON	5.6K	5%	1/4W
R532	1-249-426-11	CARBON	5.6K	5%	1/4W
R562	1-249-437-11	CARBON	47K	5%	1/4W
R581	1-249-434-11	CARBON	27K	5%	1/4W (DE335: AEP)
R581	1-249-436-11	CARBON	39K	5%	1/4W (DE335: MY, SP, AUS/V323)
R581	1-249-437-11	CARBON	47K	5%	1/4W (DE335: US, CND, E/SE391)
R601	1-249-417-11	CARBON	1K	5%	1/4W
R602	1-249-439-11	CARBON	68K	5%	1/4W
R603	1-249-414-11	CARBON	560	5%	1/4W
R604	1-249-439-11	CARBON	68K	5%	1/4W
R610	1-249-421-11	CARBON	2.2K	5%	1/4W
R611	1-249-440-11	CARBON	82K	5%	1/4W
R613	1-249-414-11	CARBON	560	5%	1/4W
⚠R614	1-249-408-11	CARBON	180	5%	1/4W F (EXCEPT DE335: AEP)
⚠R614	1-249-409-11	CARBON	220	5%	1/4W F (DE335: AEP)
⚠R615	1-249-408-11	CARBON	180	5%	1/4W F (EXCEPT DE335: AEP)
⚠R615	1-249-409-11	CARBON	220	5%	1/4W F (DE335: AEP)
⚠R616	1-233-352-41	ENCAPSULATED COMPONENT (0.22+0.22)			
⚠R617	1-249-393-11	CARBON	10	5%	1/4W F
R618	1-249-389-11	CARBON	4.7	5%	1/4W
R619	1-249-403-11	CARBON	68	5%	1/4W F
R620	1-249-419-11	CARBON	1.5K	5%	1/4W
R621	1-249-427-11	CARBON	6.8K	5%	1/4W
R622	1-249-431-11	CARBON	15K	5%	1/4W
R623	1-249-437-11	CARBON	47K	5%	1/4W
R630	1-249-426-11	CARBON	5.6K	5%	1/4W
R632	1-249-426-11	CARBON	5.6K	5%	1/4W
⚠R644	1-249-403-11	CARBON	68	5%	1/4W F
R651	1-249-417-11	CARBON	1K	5%	1/4W
R652	1-249-439-11	CARBON	68K	5%	1/4W
R653	1-249-414-11	CARBON	560	5%	1/4W
R654	1-249-439-11	CARBON	68K	5%	1/4W
R660	1-249-421-11	CARBON	2.2K	5%	1/4W
R661	1-249-440-11	CARBON	82K	5%	1/4W
R663	1-249-414-11	CARBON	560	5%	1/4W
⚠R664	1-249-408-11	CARBON	180	5%	1/4W F (DE335: AEP)
⚠R664	1-249-409-11	CARBON	220	5%	1/4W F (EXCEPT DE335: AEP)
⚠R665	1-249-408-11	CARBON	180	5%	1/4W F (DE335: AEP)
⚠R665	1-249-409-11	CARBON	220	5%	1/4W F (EXCEPT DE335: AEP)
⚠R666	1-233-352-41	ENCAPSULATED COMPONENT (0.22+0.22)			
⚠R667	1-249-393-11	CARBON	10	5%	1/4W F
R668	1-249-389-11	CARBON	4.7	5%	1/4W
R670	1-249-419-11	CARBON	1.5K	5%	1/4W
R671	1-249-427-11	CARBON	6.8K	5%	1/4W
R672	1-249-431-11	CARBON	15K	5%	1/4W
R673	1-249-437-11	CARBON	47K	5%	1/4W
R701	1-249-417-11	CARBON	1K	5%	1/4W
R702	1-249-439-11	CARBON	68K	5%	1/4W
R703	1-247-828-11	CARBON	750	5%	1/4W (DE335: US, CND, AEP, E/SE391)
R703	1-249-416-11	CARBON	820	5%	1/4W (DE335: MY, SP, AUS/V323)
R704	1-249-439-11	CARBON	68K	5%	1/4W
R705	1-249-429-11	CARBON	10K	5%	1/4W
R706	1-249-435-11	CARBON	33K	5%	1/4W
R707	1-249-435-11	CARBON	33K	5%	1/4W
R710	1-249-421-11	CARBON	2.2K	5%	1/4W
R711	1-249-440-11	CARBON	82K	5%	1/4W
R713	1-249-414-11	CARBON	560	5%	1/4W
⚠R714	1-249-408-11	CARBON	180	5%	1/4W F (DE335: AEP)
⚠R714	1-249-409-11	CARBON	220	5%	1/4W F (EXCEPT DE335: AEP)
⚠R715	1-249-408-11	CARBON	180	5%	1/4W F (DE335: AEP)
⚠R715	1-249-409-11	CARBON	220	5%	1/4W F (EXCEPT DE335: AEP)
⚠R716	1-233-352-41	ENCAPSULATED COMPONENT (0.22+0.22)			
⚠R717	1-249-393-11	CARBON	10	5%	1/4W F
R718	1-249-389-11	CARBON	4.7	5%	1/4W
⚠R719	1-249-403-11	CARBON	68	5%	1/4W F
R720	1-249-419-11	CARBON	1.5K	5%	1/4W
R721	1-249-427-11	CARBON	6.8K	5%	1/4W
R722	1-249-431-11	CARBON	15K	5%	1/4W
R723	1-249-437-11	CARBON	47K	5%	1/4W
R724	1-249-425-11	CARBON	4.7K	5%	1/4W
R725	1-249-427-11	CARBON	6.8K	5%	1/4W
R726	1-249-417-11	CARBON	1K	5%	1/4W
R727	1-249-427-11	CARBON	6.8K	5%	1/4W
R730	1-249-426-11	CARBON	5.6K	5%	1/4W
R731	1-249-426-11	CARBON	5.6K	5%	1/4W
⚠R732	1-249-393-11	CARBON	10	5%	1/4W F
⚠R733	1-249-393-11	CARBON	10	5%	1/4W F
R734	1-249-420-11	CARBON	1.8K	5%	1/4W
R738	1-249-434-11	CARBON	27K	5%	1/4W (DE335: AEP)
R738	1-249-436-11	CARBON	39K	5%	1/4W (DE335: MY, SP, AUS/V323)
R738	1-249-437-11	CARBON	47K	5%	1/4W (DE335: US, CND, E/SE391)

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le neméro spécifié.

Ref. No.	Part No.	Description				Remark
R742	1-249-425-11	CARBON	4.7K	5%	1/4W	
R743	1-249-425-11	CARBON	4.7K	5%	1/4W	
⚠R744	1-249-403-11	CARBON	68	5%	1/4W	F
R751	1-249-417-11	CARBON	1K	5%	1/4W	
R752	1-249-439-11	CARBON	68K	5%	1/4W	
R753	1-247-828-11	CARBON	750	5%	1/4W	
			(DE335: US, CND, AEP/SE391)			
R753	1-249-416-11	CARBON	820	5%	1/4W	
			(DE335: MY, SP, AUS/V323)			
R753	1-249-442-11	CARBON	510	5%	1/4W	
			(DE335: US, MY, SP, AUS/V323)			
R754	1-249-439-11	CARBON	68K	5%	1/4W	
R755	1-249-429-11	CARBON	10K	5%	1/4W	
R756	1-249-435-11	CARBON	33K	5%	1/4W	
R757	1-249-435-11	CARBON	33K	5%	1/4W	
R760	1-249-421-11	CARBON	2.2K	5%	1/4W	
R761	1-249-440-11	CARBON	82K	5%	1/4W	
R763	1-249-414-11	CARBON	560	5%	1/4W	
⚠R764	1-249-408-11	CARBON	180	5%	1/4W	F
					(DE335: AEP)	
⚠R764	1-249-409-11	CARBON	220	5%	1/4W	F
					(EXCEPT DE335: AEP)	
⚠R765	1-249-408-11	CARBON	180	5%	1/4W	F
					(DE335: AEP)	
⚠R765	1-249-409-11	CARBON	220	5%	1/4W	F
					(EXCEPT DE335: AEP)	
⚠R766	1-233-352-41	ENCAPSULATED COMPONENT (0.22+0.22)				
⚠R767	1-249-393-11	CARBON	10	5%	1/4W	F
R768	1-249-389-11	CARBON	4.7	5%	1/4W	
R770	1-249-419-11	CARBON	1.5K	5%	1/4W	
R771	1-249-427-11	CARBON	6.8K	5%	1/4W	
R772	1-249-431-11	CARBON	15K	5%	1/4W	
R773	1-249-437-11	CARBON	47K	5%	1/4W	
R788	1-249-434-11	CARBON	27K	5%	1/4W	
					(DE335: AEP)	
R788	1-249-436-11	CARBON	39K	5%	1/4W	
					(DE335: MY, SP, AUS/V323)	
R788	1-249-437-11	CARBON	47K	5%	1/4W	
					(DE335: US, CND, E/SE391)	
⚠R803	1-247-739-11	CARBON	100	5%	1/2W	F
					(DE335: US, CND/SE391)	
⚠R803	1-249-389-11	CARBON	4.7	5%	1/4W	F
					(EXCEPT DE335: US, CND/SE391)	
R804	1-249-427-11	CARBON	6.8K	5%	1/4W	
R821	1-249-437-11	CARBON	47K	5%	1/4W	
R822	1-249-425-11	CARBON	4.7K	5%	1/4W	
R823	1-249-437-11	CARBON	47K	5%	1/4W	
R824	1-249-425-11	CARBON	4.7K	5%	1/4W	
⚠R830	1-249-403-11	CARBON	68	5%	1/4W	F
⚠R831	1-249-403-11	CARBON	68	5%	1/4W	F
R950	1-249-421-11	CARBON	2.2K	5%	1/4W	
R951	1-249-428-11	CARBON	8.2K	5%	1/4W	
R952	1-249-422-11	CARBON	2.7K	5%	1/4W	
R953	1-249-433-11	CARBON	22K	5%	1/4W	
R954	1-249-437-11	CARBON	47K	5%	1/4W	
R955	1-249-429-11	CARBON	10K	5%	1/4W	
R956	1-247-843-11	CARBON	3.3K	5%	1/4W	
R957	1-249-417-11	CARBON	1K	5%	1/4W	
R960	1-249-431-11	CARBON	15K	5%	1/4W	

Ref. No.	Part No.	Description				Remark
RR04	1-249-393-11	CARBON	10	5%	1/4W	(DE335: AEP)
RR05	1-249-393-11	CARBON	10	5%	1/4W	(DE335: AEP)
RR54	1-249-393-11	CARBON	10	5%	1/4W	(DE335: AEP)
RR55	1-249-393-11	CARBON	10	5%	1/4W	(DE335: AEP)
		< RELAY >				
RY301	1-755-267-11	RELAY				
RY551	1-515-921-11	RELAY (12V)				
RY601	1-515-921-11	RELAY (12V)				
RY701	1-515-921-11	RELAY (12V)				
RY801	1-755-013-11	RELAY (EXCEPT DE335: CND)				
RY851	1-515-918-11	RELAY (DE335: CND)				
RY852	1-515-918-11	RELAY (DE335: CND)				
		< TERMINAL >				
TM601	1-537-510-11	TERMINAL BOARD (SPEAKER) (6P)				
						(SPEAKERS CENTER/REAR)
TM701	1-537-376-11	TERMINAL BOARD (SP)				
						(SPAEAKERS FRONT A/B)
		< VIBRATOR >				
X1	1-579-900-21	VIBRATOR, CRYSTAL (4.332MHz)				
						(DE335: AEP)
**********						
	1-673-055-11	PHONO BOARD (SE391)				
		**********				
		< CAPACITOR >				
C401	1-162-282-31	CERAMIC	100PF	10%	50V	
C402	1-126-962-11	ELECT	3.3uF	20%	50V	
C403	1-126-966-11	ELECT	33uF	20%	16V	
C404	1-162-282-31	CERAMIC	100PF	10%	50V	
C405	1-137-459-11	FILM	0.0056uF	5%	100V	
C407	1-137-365-11	FILM	0.0015uF	5%	50V	
C409	1-126-962-11	ELECT	3.3uF	20%	50V	
C410	1-164-159-21	CERAMIC	0.1uF		50V	
C451	1-162-282-31	CERAMIC	100PF	10%	50V	
C452	1-126-962-11	ELECT	3.3uF	20%	50V	
C453	1-126-966-11	ELECT	33uF	20%	16V	
C454	1-162-282-31	CERAMIC	100PF	10%	50V	
C455	1-137-459-11	FILM	0.0056uF	5%	100V	
C457	1-137-365-11	FILM	0.0015uF	5%	50V	
C459	1-126-962-11	ELECT	3.3uF	20%	50V	
C460	1-164-159-21	CERAMIC	0.1uF		50V	
		< CONNECTOR >				
CNS451	1-750-179-11	SOCKET, CONNECTOR 5P				
		< IC >				
IC402	8-759-636-74	IC M5218AP-22				
		< JACK >				
J451	1-785-837-11	PIN JACK 2P (PHONO IN)				

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R401	1-249-411-11	CARBON	330	5%	1/4W
R409	1-249-437-11	CARBON	47K	5%	1/4W
R410	1-247-897-11	CARBON	560K	5%	1/4W
R411	1-249-416-11	CARBON	820	5%	1/4W
R412	1-247-897-11	CARBON	560K	5%	1/4W
R413	1-249-437-11	CARBON	47K	5%	1/4W
R416	1-249-417-11	CARBON	1K	5%	1/4W
R417	1-247-897-11	CARBON	560K	5%	1/4W
R451	1-249-411-11	CARBON	330	5%	1/4W
R459	1-249-437-11	CARBON	47K	5%	1/4W
R460	1-247-897-11	CARBON	560K	5%	1/4W
R461	1-249-416-11	CARBON	820	5%	1/4W
R462	1-247-897-11	CARBON	560K	5%	1/4W
R463	1-249-437-11	CARBON	47K	5%	1/4W
R466	1-249-417-11	CARBON	1K	5%	1/4W
R467	1-247-897-11	CARBON	560K	5%	1/4W
**********					
	1-673-051-11	POWER SWITCH BOARD			
		**********			
		< CONNECTOR >			
CNS203	1-573-105-11	CONNECTOR, PC BOARD 4P			
		< SWITCH >			
S200	1-762-196-21	SWITCH, TACT (**I**/⏻)			
**********					
	1-673-050-11	PRIMARY BOARD (EXCEPT DE335: E)			
		**********			
	1-533-293-11	FUSE HOLDER			
		< CONNECTOR >			
* CNP902	1-564-321-21	PIN, CONNECTOR 2P			
		< FUSE >			
⚠F901	1-532-464-51	FUSE (T2.5AL/250V) (DE335: AEP, MY SP, AUS/V323)			
⚠F901	1-533-310-11	FUSE, GLASS CYLINDRICAL (DIA.5) (6.3A/125V) (DE335: US, CND/SE391)			
**********					
	A-4419-137-A	REAR AMP BOARD, COMPLETE (DE335: E)			
	A-4419-192-A	REAR AMP BOARD, COMPLETE (SE391)			
	A-4419-481-A	REAR AMP BOARD, COMPLETE (DE335: US, CND)			
	A-4419-747-A	REAR AMP BOARD, COMPLETE (DE335: AEP)			
	A-4419-750-A	REAR AMP BOARD, COMPLETE (DE335: MY, SP, AUS/V323)			
		**********			
		< CAPACITOR >			
C444	1-126-163-11	ELECT	4.7uF	20%	50V
C445	1-126-163-11	ELECT	4.7uF	20%	50V
C502	1-162-282-31	CERAMIC	100PF	10%	50V
C503	1-104-665-11	ELECT	100uF	20%	10V
C505	1-102-233-00	CERAMIC	33PF	10%	500V
C510	1-104-664-11	ELECT	47uF	20%	16V
C511	1-137-372-11	FILM	0.022uF	5%	50V
C520	1-162-286-31	CERAMIC	220PF	10%	50V
C551	1-126-963-11	ELECT	4.7uF	20%	50V
C552	1-162-282-31	CERAMIC	100PF	10%	50V
C553	1-104-665-11	ELECT	100uF	20%	10V
C555	1-102-233-00	CERAMIC	33PF	10%	500V
		< CONNECTOR >			
* CNS501	1-564-519-11	PLUG, CONNECTOR 4P			
* CNS502	1-564-520-11	PLUG, CONNECTOR 5P			
CNS503	1-784-727-11	CONNECTOR, FFC 5P			
		< IC >			
IC501	8-759-326-52	IC uPC2581V			
		< TRANSISTOR/IC >			
Q501	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q502	8-729-209-15	TRANSISTOR 2SD2012			
Q503	8-749-010-25	IC MN2488-OPY-M			
Q504	8-749-010-26	IC MP1620-OPY-M			
Q520	8-729-140-82	TRANSISTOR 2SA988-PAFAEA			
		< RESISTOR >			
R501	1-249-417-11	CARBON	1K	5%	1/4W
R502	1-249-439-11	CARBON	68K	5%	1/4W
R503	1-249-412-11	CARBON	390	5%	1/4W (EXCEPT DE335: AEP)
R503	1-249-414-11	CARBON	560	5%	1/4W (DE335: AEP)
R504	1-249-439-11	CARBON	68K	5%	1/4W
R510	1-247-840-00	CARBON	2.4K	5%	1/4W
R511	1-249-440-11	CARBON	82K	5%	1/4W
R513	1-249-414-11	CARBON	560	5%	1/4W
⚠R514	1-249-408-11	CARBON	180	5%	1/4W F (DE335: AEP)
⚠R514	1-249-409-11	CARBON	220	5%	1/4W F (EXCEPT DE335: AEP)
⚠R515	1-249-408-11	CARBON	180	5%	1/4W F (DE335: AEP)
⚠R515	1-249-409-11	CARBON	220	5%	1/4W F (EXCEPT DE335: AEP)
⚠R516	1-233-352-41	ENCAPSULATED COMPONENT (0.22+0.22)			
⚠R517	1-249-393-11	CARBON	10	5%	1/4W F
R520	1-249-419-11	CARBON	1.5K	5%	1/4W
R521	1-249-427-11	CARBON	6.8K	5%	1/4W
R522	1-249-431-11	CARBON	15K	5%	1/4W
R551	1-249-417-11	CARBON	1K	5%	1/4W
R552	1-249-439-11	CARBON	68K	5%	1/4W
R553	1-249-413-11	CARBON	470	5%	1/4W
R554	1-249-429-11	CARBON	10K	5%	1/4W
R557	1-249-409-11	CARBON	220	5%	1/4W
R558	1-249-409-11	CARBON	220	5%	1/4W
R559	1-249-420-11	CARBON	1.8K	5%	1/4W
R560	1-249-420-11	CARBON	1.8K	5%	1/4W
**********					

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le neméro spécifié.

Ref. No.	Part No.	Description	Remark
	1-673-049-11	SECONDARY BOARD	
		**********	
		< CONNECTOR >	
CNP801	1-691-773-11	PLUG (MICRO CONNECTOR) 11P	
		< RESISTOR >	
⚠R810	1-240-877-91	FUSIBLE 0.15 5% 1/4W F	
⚠R811	1-240-877-91	FUSIBLE 0.15 5% 1/4W F	
**********			
	1-673-045-11	SP SW BOARD	
		**********	
		< CONNECTOR >	
CNP703	1-691-767-11	PLUG (MICRO CONNECTOR) 5P	
CNP704	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
		< JACK >	
J741	1-750-731-11	JACK (LARGE TYPE) (PHONES) (SE391)	
J741	1-750-733-11	JACK (LARGE TYPE) (PHONES) (DE335/V323)	
		< RESISTOR >	
R741	1-247-753-11	CARBON 1.2K 5% 1/2W	
R742	1-247-753-11	CARBON 1.2K 5% 1/2W	
R791	1-247-753-11	CARBON 1.2K 5% 1/2W	
R792	1-247-753-11	CARBON 1.2K 5% 1/2W	
		< SWITCH >	
S701	1-771-634-11	SWITCH, PUSH (2 KEY) (SPEAKERS A/B ON/OFF)	
**********			
	1-673-048-11	STANDBY BOARD	
		**********	
	1-533-293-11	FUSE HOLDER (DE335: AEP, E, MY, SP, AUS/V323)	
		< AC OUTLET >	
⚠CNJ903	1-251-416-11	OUTLET, A.C. (DE335: AUS) (AC OUTLET)	
⚠CNJ903	1-526-794-11	OUTLET, AC (DE335: AEP, MY, SP) (AC OUTLET)	
⚠CNJ903	1-526-822-00	OUTLET, AC (V323) (AC OUTLET)	
		< CONNECTOR >	
CNP802	1-779-495-11	PLUG, CONNECTOR PIN 4P	
CNP901	1-564-321-00	PIN, CONNECTOR 2P	
* CNP903	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P (DE335:AEP, MY, SP, AUS/V323)	
CNP905	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P (DE335: E)	
* CNP906	1-564-687-11	PIN, CONNECTOR 3P (DE335: E)	
		< DIODE >	
D816	8-719-911-19	DIODE 1SS119 (DE335: US, AEP, SP)	
D816	8-719-991-33	DIODE 1SS133T-77 (EXCEPT DE335: US, AEP, SP)	

Ref. No.	Part No.	Description	Remark
		< FUSE >	
⚠F902	1-532-464-51	FUSE (T2.5AL/250V) (DE335: AEP, MY, SP, AUS/V323)	
⚠F903	1-532-388-51	FUSE (T2AL/250V) (DE335: E)	
		< TERMINAL EARTH >	
* G900	1-537-738-21	TERMINAL, EARTH (DE335: US, CND/SE391)	
		< AC OUTLET >	
⚠J911	1-251-718-11	OUTLET (2 GANG), AC (SE391) (AC OUTLET)	
⚠J911	1-785-834-11	OUTLET (1P) (DE335: US, CND, E) (AC OUTLET)	
		< RESISTOR >	
⚠R901	1-202-725-00	SOLID 3.3M 10% 1/2W (DE335: US, CND/SE391)	
		< RELAY >	
⚠RY901	1-755-146-11	RELAY, AC POWER (SE391)	
⚠RY901	1-755-276-11	RELAY, POWER (DE335/V323)	
		< TRANSFORMER >	
⚠T902	1-433-685-11	TRANSFORMER, POWER (DE335: AEP, MY, SP, AUS/V323)	
⚠T902	1-433-686-11	TRANSFORMER, POWER (DE335: US, CND/SE391)	
⚠T902	1-433-687-11	TRANSFORMER, POWER (DE335: E)	
**********			
	1-673-044-11	TONE BOARD	
		**********	
		< CAPACITOR >	
C421	1-137-440-11	FILM 0.018uF 5% 50V	
C422	1-124-463-00	ELECT 0.1uF 20% 50V	
C423	1-137-368-11	FILM 0.0047uF 5% 50V	
C424	1-137-372-11	FILM 0.022uF 5% 50V	
C471	1-137-440-11	FILM 0.018uF 5% 50V	
C472	1-124-463-00	ELECT 0.1uF 20% 50V	
C473	1-137-368-11	FILM 0.0047uF 5% 50V	
C474	1-137-372-11	FILM 0.022uF 5% 50V	
		< CONNECTOR >	
CNS404	1-770-399-11	HOUSING, CONNECTOR (PC BOARD) 6P	
		< RESISTOR >	
R420	1-249-415-11	CARBON 680 5% 1/4W	
R421	1-249-431-11	CARBON 15K 5% 1/4W	
R422	1-249-422-11	CARBON 2.7K 5% 1/4W	
R423	1-247-903-00	CARBON 1M 5% 1/4W	
R424	1-247-903-00	CARBON 1M 5% 1/4W	
R470	1-249-415-11	CARBON 680 5% 1/4W	
R471	1-249-431-11	CARBON 15K 5% 1/4W	
R472	1-249-422-11	CARBON 2.7K 5% 1/4W	
R473	1-247-903-00	CARBON 1M 5% 1/4W	

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

TONE | VIDEO | VOL SEL | VOLUME

Ref. No.	Part No.	Description			Remark
R474	1-247-903-00	CARBON	1M	5%	1/4W
		< VARIABLE RESISTOR >			
RV421	1-223-362-11	RES, VAR, CARBON 100K/100K (BASS)			
RV422	1-223-363-11	RES, VAR, CARBON 125K/125K (TREBLE)			
RV423	1-238-965-21	RES, VAR, CARBON 100K/100K (BALANCE)			
**********					
	1-673-053-11	VIDEO BOARD			
		**********			
		< CAPACITOR >			
C260	1-126-960-11	ELECT	1uF	20% 50V	(DE335/V323)
C261	1-126-960-11	ELECT	1uF	20% 50V	(DE335/V323)
C262	1-164-159-11	CERAMIC	0.1uF	50V	(DE335/V323)
C263	1-104-664-11	ELECT	47uF	20% 25V	(DE335/V323)
C264	1-164-159-11	CERAMIC	0.1uF	50V	(DE335/V323)
C265	1-126-924-11	ELECT	330uF	20% 10V	(DE335/V323)
C266	1-162-215-31	CERAMIC	47PF	5% 50V	(DE335/V323)
C267	1-162-215-31	CERAMIC	47PF	5% 50V	(DE335/V323)
C268	1-126-960-11	ELECT	1uF	20% 50V	(DE335/V323)
C301	1-126-795-11	ELECT	10uF	20% 50V	
C306	1-126-795-11	ELECT	10uF	20% 50V	
C317	1-126-795-11	ELECT	10uF	20% 50V	
C318	1-126-795-11	ELECT	10uF	20% 50V	
C375	1-126-795-11	ELECT	10uF	20% 50V	
C376	1-126-795-11	ELECT	10uF	20% 50V	
CC272	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC274	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC276	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC278	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC280	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
CC282	1-162-282-31	CERAMIC	100PF	10% 50V	(DE335: AEP)
		< CONNECTOR >			
CNP500	1-691-771-11	PLUG (MICRO CONNECTOR) 9P			
CNS250	1-569-315-11	SOCKET, CONNECTOR 5P (DE335/V323)			
		< IC >			
IC251	8-759-333-84	IC NJM2279D (DE335/V323)			
		< JACK >			
J251	1-770-336-11	JACK, PIN 2P (5.1CH/DVD VIDEO, TV/SAT VIDEO IN) (EXCEPT DE335: AEP/SE391)			
J251	1-770-336-11	JACK, PIN 2P (5.1CH/DVD VIDEO, TV/LD VIDEO IN) (DE335: AEP)			
J252	1-774-821-11	JACK, PIN 3P (VIDEO IN/OUT, MONITOR VIDEO OUT) (DE335/V323)			
J501	1-779-599-11	JACK, PIN 6P (5.1CH/DVD: FRONT, REAR, WOOFER, CENTER)			
		< RESISTOR >			
R208	1-247-804-11	CARBON	75	5% 1/4W	(DE335/V323)
R209	1-247-804-11	CARBON	75	5% 1/4W	(DE335/V323)
R210	1-247-804-11	CARBON	75	5% 1/4W	(DE335/V323)
R211	1-247-804-11	CARBON	75	5% 1/4W	(DE335/V323)
R212	1-247-804-11	CARBON	75	5% 1/4W	(DE335/V323)
⚠R213	1-249-407-11	CARBON	150	5% 1/4W F	(DE335/V323)
R214	1-249-421-11	CARBON	2.2K	5% 1/4W	
R215	1-249-421-11	CARBON	2.2K	5% 1/4W	
R217	1-249-421-11	CARBON	2.2K	5% 1/4W	
R218	1-249-421-11	CARBON	2.2K	5% 1/4W	
R219	1-249-421-11	CARBON	2.2K	5% 1/4W	
R220	1-249-421-11	CARBON	2.2K	5% 1/4W	
⚠R229	1-249-410-11	CARBON	270	5% 1/4W F	(DE335/V323)
R347	1-249-437-11	CARBON	47K	5% 1/4W	
R348	1-249-437-11	CARBON	47K	5% 1/4W	
R349	1-249-437-11	CARBON	47K	5% 1/4W	
R350	1-249-437-11	CARBON	47K	5% 1/4W	
R351	1-249-437-11	CARBON	47K	5% 1/4W	
R371	1-249-437-11	CARBON	47K	5% 1/4W	
**********					
	1-673-054-11	VOL SEL BOARD (DE335: E)			
		**********			
	1-533-399-31	HOLDER, FUSE			
		< CONNECTOR >			
* CNP907	1-565-395-11	PIN, CONNECTOR 3P			
CNP908	1-564-321-00	PIN, CONNECTOR 2P			
* CNP910	1-564-687-11	PIN, CONNECTOR 3P			
		< FUSE >			
⚠F904	1-532-388-51	FUSE (T2AL/250V) (DE335: E)			
		< SWITCH >			
S901	1-571-437-11	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR) (DE335: E)			
**********					
	1-673-043-11	VOLUME BOARD			
		**********			
		< CAPACITOR >			
C420	1-162-207-31	CERAMIC	22PF	5% 50V	
C425	1-126-795-11	ELECT	10uF	20% 25V	

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
C426	1-126-795-11	ELECT	10uF	20%	25V
C430	1-104-942-11	ELECT	1uF	20%	50V
C431	1-104-942-11	ELECT	1uF	20%	50V
C440	1-126-163-11	ELECT	4.7uF	20%	50V
C441	1-126-163-11	ELECT	4.7uF	20%	50V
C442	1-126-163-11	ELECT	4.7uF	20%	50V
C443	1-126-163-11	ELECT	4.7uF	20%	50V
C470	1-162-207-31	CERAMIC	22PF	5%	50V
C475	1-126-795-11	ELECT	10uF	20%	25V
C476	1-126-795-11	ELECT	10uF	20%	25V
C542	1-126-925-11	ELECT	470uF	20%	10V
		< CONNECTOR >			
CNP202	1-770-388-11	PIN, CONNECTOR (PC BOARD) 4P			
CNP404	1-770-390-11	PIN, CONNECTOR (PC BOARD) 6P			
CNS402	1-568-439-11	SOCKET, CONNECTOR 7P			
CNS403	1-568-443-11	SOCKET, CONNECTOR 13P			
CNS504	1-784-727-11	CONNECTOR, FFC 5P			
		< IC >			
IC404	8-759-636-74	IC M5218AP-22			
		< RESISTOR >			
R425	1-249-429-11	CARBON	10K	5%	1/4W
R426	1-249-439-11	CARBON	68K	5%	1/4W
R427	1-249-417-11	CARBON	1K	5%	1/4W
R430	1-249-437-11	CARBON	47K	5%	1/4W
R475	1-249-429-11	CARBON	10K	5%	1/4W
R476	1-249-439-11	CARBON	68K	5%	1/4W
R477	1-249-417-11	CARBON	1K	5%	1/4W
R480	1-249-437-11	CARBON	47K	5%	1/4W
R542	1-249-425-11	CARBON	4.7K	5%	1/4W
		< VARIABLE RESISTOR >			
RV404	1-225-446-12	RES, VAR, CARBON 100K/100KX5 (MASTER VOLUME)			

****

MISCELLANEOUS
****

61	1-765-403-11	WIRE (FLAT TYPE) (29 CORE)
63	1-575-662-31	WIRE (FLAT TYPE) (5 CORE)
64	1-765-314-11	WIRE (FLAT TYPE) (7 CORE)
65	1-769-972-11	WIRE (FLAT TYPE) (13 CORE)
⚠108	1-777-070-21	CORD, POWER (DE335: CND)
⚠108	1-777-071-21	CORD, POWER (DE335: AEP, E, MY, SP)
⚠108	1-783-203-11	CORD, POWER (DE335: AUS)
⚠108	1-783-205-11	CORD, POWER (V323)
⚠108	1-783-820-11	CORD, POWER (DE335: US/SE391)
⚠109	1-569-008-21	ADAPTOR, CONVERSION 2P (DE335: E)
⚠110	1-251-416-11	OUTLET, AC (DE335: AUS)
⚠110	1-526-794-11	OUTLET, AC (DE335: AEP, MY, SP)
⚠110	1-526-882-00	OUTLET, AC (V323)
112	1-693-407-43	TUNER PACK (DE335: US, CND, E/SE391)
112	1-693-408-43	TUNER PACK (DE335: AEP, MY, SP, AUS/V323)
113	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)
115	1-769-844-11	WIRE (FLAT TYPE) (5 CORE)
⚠T901	1-433-713-11	TRANSFORMER, POWER (DE335: US)
⚠T901	1-433-713-21	TRANSFORMER, POWER (SE391)
⚠T901	1-433-714-11	TRANSFORMER, POWER (DE335: CND)
⚠T901	1-433-715-11	TRANSFORMER, POWER (DE335: AUS)
⚠T901	1-433-716-11	TRANSFORMER, POWER (DE335: MY, SP/V323)
⚠T901	1-433-717-11	TRANSFORMER, POWER (DE335: AEP)
⚠T901	1-433-718-11	TRANSFORMER, POWER (DE335: E)

****

****
HARDWARE LIST
****

#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3
#2	7-685-871-01	SCREW +BVTT 3X6 (S)
#3	7-685-881-09	SCREW +BVTT 4X8 (S)

****

ACCESSORIES & PACKING MATERIALS
****

1-418-294-11	COMMANDER, STANDARD (RM-U303)
1-501-374-11	ANTENNA, LOOP
1-501-594-11	ANTENNA (FM) (EXCEPT DE335: US, CND/SE391)
3-866-420-11	MANUAL (RECV.HOOK-UP) (DE335: US, AEP, SP)
3-866-420-21	MANUAL (RECV.HOOK-UP) (DE335: CND, E, MY, AUS/V323)
3-866-659-11	INSTRUCTION MANUAL (ENGLISH) (DE335: US/SE391)
3-866-659-21	INSTRUCTION MANUAL (ENGLISH, FRENCH, SPANISH, CHINESE) (DE335: CND, E, MY, SP, AUS)
3-866-659-31	INSTRUCTION MANUAL (ENGLISH, CHINESE) (V323)
3-866-659-41	INSTRUCTION MANUAL (ENGLISH, FRENCH, DUTCH, SWEDISH, DANISH) (DE335: AEP)
3-866-659-51	INSTRUCTION MANUAL (GERMAN, SPANISH, ITALIAN, PORTUGUESE, FINNISH) (DE335: AEP)
3-866-659-61	INSTRUCTION MANUAL (ENGLISH, RUSSIAN, POLISH) (DE335: AEP)
3-866-659-71	INSTRUCTION MANUAL (GREEK) (DE335: AEP)
4-861-643-01	COVER, BATTERY (FOR RM-U303)

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

9-928-870-11

Sony Corporation
Home Audio Company

99D0582-1
Printed in Japan © 1999. 4
Published by Quality Assurance Dept.